AR TARGET SHEET

The following document was too large to scan as one unit, therefore, it has been divided into sections.

EDMC#:

0075646

SECTION:

1 OF 2

DOCUMENT #: 08-AMCP-0075

TITLE:

ADMINISTRATIVE

DECOMMISSIONING FOR WELLS WITH SURVEYS



Department of Energy

Richland Operations Office P.O. Box 550 Richland, Washington 99352

JAN 1 0 2008

08-AMCP-0075

Ms. J. A. Hedges, Program Manager Nuclear Waste Program State of Washington Department of Ecology 3100 Port of Benton Richland, Washington 99354



Dear Ms. Hedges:

ADMINISTRATIVE DECOMMISSIONING FOR WELLS WITH SURVEYS

The purpose of this letter is to transmit recent results of a continued systematic effort by the U.S. Department of Energy, Richland Operations Office to identify unique well records on the Hanford Site that require administrative decommissioning.

Attachment 1 lists 26 unique well records numerically by well identification and associated well name. A well identification and a formal well name have been assigned and all have survey coordinates. All are conventional single-cased wells and none are piezometers (small diameter tubes placed within a host well). Attachment 2 contains copies of the pertinent supporting documentation available to administratively decommission these wells.

All wells onsite are assigned a unique well identification number during the well construction planning process. Once a well identification is assigned, that identification becomes a "unique well record" and the number cannot be used again, even if the well is never drilled. Well identifications and other pertinent well data are tracked in the Hanford Well Information System (HWIS). The well identification is also used as a "place holder" in the well name column in HWIS. Once the well is completed, the "place holder" well identification is replaced with a formal well name. The well naming protocols are designed to convey the well's general location onsite.

None of the wells have Water Well Reports or records of Water Well Reports being transmitted to the State of Washington Department of Ecology. This documentation will be used to change the Current Well Status of these wells to "Decommissioned – Verified" in the HWIS Well Inventory.

If there are any questions, please contact me, or your staff may contact, Briant Charboneau, of my staff, on (509) 373-6137.

Sincerely,

Manager & McCormick, Assistant Manager

for the Central Plateau

AMCP:FMR

Attachments

cc w/attachs:

Administrative Record H-0-11

Environmental Portal

cc w/o attachs:

B. H. Ford, FHI

R. E. Piippo, FHI

J. G. Vance, FFS

ADMINISTRATIVE DECOMMISSIONING FOR 26 WELLS WITH SURVEYS

Attachment 1. Well Naming Conventions and List of wells in this package.

All wells on the Site are assigned a unique well identification number (Well ID) during the well construction planning process. Once a Well ID is assigned; e.g. A4646, that ID becomes a "unique well record" and the number cannot be used again, even if the well is never drilled. Well IDs, and other pertinent well data are tracked in HWIS. The Well ID is also used as a "place holder" in the Well Name column in HWIS. Once the well is completed, the "place holder" Well ID is replaced with a formal Well Name, such as 199-K-16. The well naming protocols are designed to convey the well's general location on the Site. For example, wells within the 100, 200, 300, 400, 600, and 1100 Areas have Well Names which begin with "199, 299, 399, 499, 699, or 1199" followed by two numbers separated by dashes. For 100-K Area wells the first number after "199-K" refers to the 100-K Area and the number refers to the sequential well in that area. Wells within the 600 Area have Well Names which begin with "699" followed by two numbers separated by dashes. The 600 Area Well Name is derived from the absolute value of the well's northing and westing in Hanford Plant coordinates rounded to the nearest 1,000 feet, respectively. For example, Well Name 699-17-27C is located in the area near 17,000 ft northing and 27,000 ft westing in Hanford Plant coordinates. Subsequent wells in the same area are labeled sequentially starting with a "B" suffix. The first Well Name in the same area would usually be relabeled with an "A" suffix.

DOE-RL follows the requirements of WAC 173-160-460 with regard to well decommissioning. A completed Water Well Report form is required to be transmitted (by the Driller) to Washington State Department of Ecology (Ecology) when a well is decommissioned. This report provides the details of the well's construction and the steps taken to decommission (plug) the well. When the records available are insufficient to meet the specific requirements of the well decommissioning process, or there is no record of the transmittal, the wells are *Administratively* Decommissioned; i.e., all available information is provided to Ecology to demonstrate that the well was never drilled, or was drilled and subsequently plugged. Since many hundreds of wells were planned but not drilled, or drilled but subsequently plugged, between Site inception in 1943 and 1986, these wells are candidates for *Administrative* Decommissioning. In addition, records of some wells that were planned and not drilled, or drilled and plugged *after* 1986, apparently were inadvertently not transmitted to Ecology, as required.

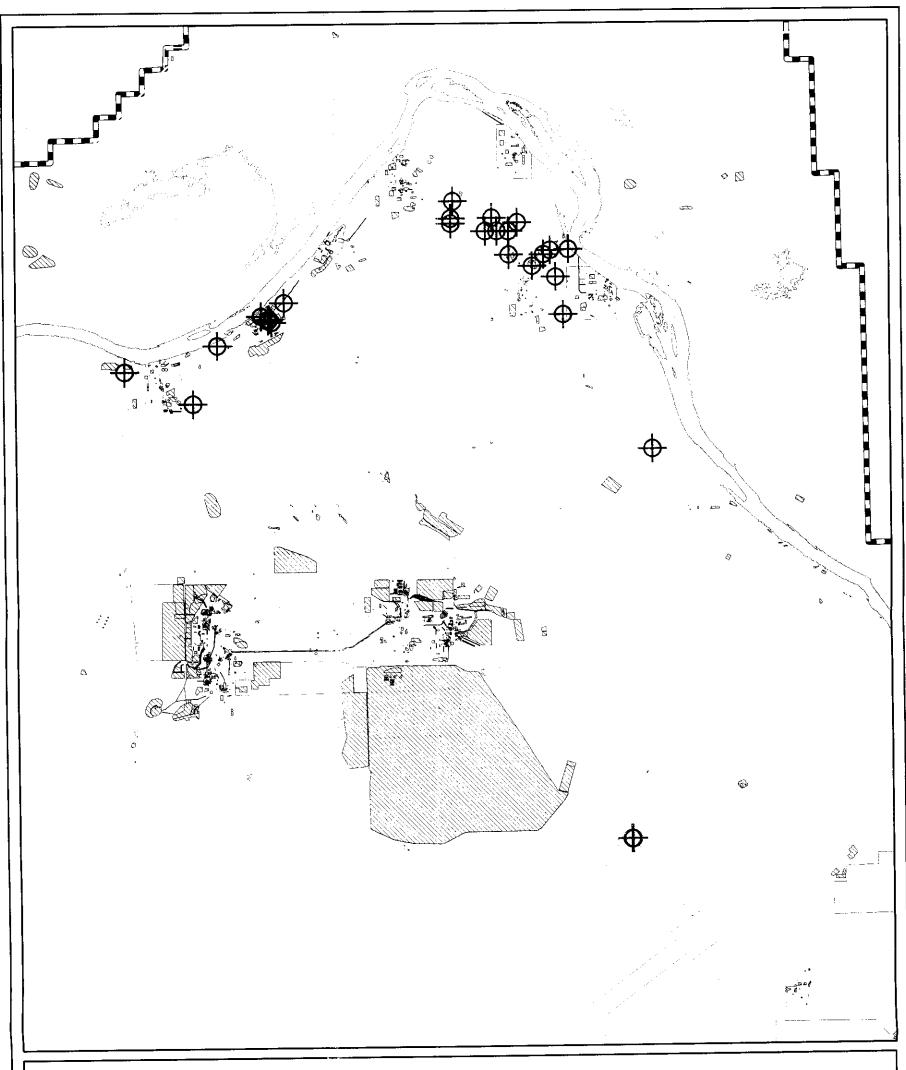
All of the 26 wells in this document have survey coordinates. All of the wells listed below are conventional single cased wells and none are piezometers (small diameter tubes placed within a host well). None of the wells have Water Well Reports available in the Ecology database. Water Well Reports may have been transmitted to Ecology at the time of decommissioning, however there is no record in the database. This documentation will be used to change the Current Well Status of all of these wells to "Decommissioned - Verified" in the HWIS Well Inventory. Please inform Ecology of these changes.

	WELL ID	WELL NAME		WELL ID	WELL NAME
1	A4646	199-K-16	14	A9007	699-82-38
2	A5742	199-K-24	15	A9020	699-84-34A
3	A5762	199-K-55	16	A9023	699-84-36A

	WELL ID	WELL NAME		WELL ID	WELL NAME
4	A5784	199-K-77	17	A9025	699-84-36C
5	A5785	199-K-78	18	A9050	699-85-40B
6	C3792	699-17-27C	19	A9066	699-87-40
7	C3793	699-17 - 27M	20	A9067	699-87-42B
8	A8929	699-61-24	21	A9068	699-87-42C
9	A8965	699-67-77	22	A9069	699-87-47
10	A8972	699-71-85	23	A9071	699-88-39
11	A8977	699-74-74	24	A9072	699-88-42
12	A8982	699-77-34	25	A9073	699-88-47
13	A9006	699-82-35	26	A9076	699-90-47

Administrative Decommissioning of 26 Wells

	•			5011	201107		ONOT.			DATE LAST	DATE LAST	DATE LAST ROUTINE	DATE LAST	DATE LAST		
WELL_IC	WELL_NAME	NORTHING	EASTING WELL_TYPE	DRILL DRILL DATE DEPTH	CONST DATE		ONST EPTH DTB DTV	WELL_NAME_SYNONYMS	WASTE_SITES_100M	SAMPLED GW	SAMPLED	MAINTENANCE	MAINTENANCE		GW AOI	MONUMENT LOC
A4646	199-K-16	146720.188	569202.547 VADOSE WELL	10-Feb-53 5	0: 10-Feb-5		50	105-KE-1	70,100-K-71,100-K-7,100-K-56,100-K-52,100-K-53,100-K-5,100-K-77,100-K-79,100-K-47,100-K-46,100-K-3,100-K-			10-Feb-53	10-Feb-53	100)-KR-4	Hanford (Not in Monument)
A5742	199-K-24	146932.692	568836.347 VADOSE WELL		0 27-Dec-5	52	50 50	105-KW-2	100-K-47,100-K-58,100-K-64,100-K-63,100-K-56,100-K- 55,100-K-80,116-K-3			27-Dec-52	27-Dec-52	100)-KR-4	Monument River (Immed, South of River And Dunes)
A5762	199 - K-55	147409.492	569643.714 UNCLASSIFIED		_			116-K-2 N	100-K-56,116-K-2					100)-KR-4	Hanford (Not in Monument)
A5784	199-K-77	146828.278	569116.202 UNCLASSIFIED			:	·,	116-KE A	56,100-K-53,100-K-47,100-K-3,100-K-42,100-K-4,116-KE-3,116-KE-4,116-KE-5					100)-KR-4	Hanford (Not in Monument)
A5785	199-K-78	146781.62	569078.381 UNCLASSIFIED			<u>:</u>		116-KE B	42,100-K-47,100-K-56,100-K-58,100-K-70,100-K-68,100-K-69,100-K-71,UPR-100-K-1					100)-KR-4	Hanford (Not in Monument)
C3792	699-17-27C	128703.743	581665.788 UNCLASSIFIED			:						_		200)-PO-1	Hanford (Not in Monument)
C3793	699-17-27M	128703.558.	581702.35 UNCLAS \$ IFIED		:	:								200)-PO-1	Hanford (Not in Monument)
A8929	699-61-24	142258	582510 UNCLASSIFIED											21-Apr-74 100)-FR-3	Hanford (Not in Monument)
A8965	699-67-77	143896.6	566423,4 GROUNDWATER WELL			!	100	REF. 2 ROBINSON. REF. 2 #170 ROBI, REF. 2 NO.170, ROBINSON		01-Feb-56	01-Feb-56	3		27-Dec-62 100	D-BC-5	Hanford (Not in Monument)
A8972	699-71-85	145012.863	564039.807 UNCLASSIFIED				26	699-71-84, R6, R6 MP4		11-Nov-83	11-Nov-83	3		100	D-BC-5	Monumer! River (Immed. South of River And Dunes)
A8977	699-74-74	145908.224	567291.991 VADOSE WELL		:			ALLARD REF. 2, ALLARD, REF. 2, REF. 2 NO.146				-		100)-BC-5	Monument River (Immed. South of River And Dunes)
A € :	699-77-34	146938.387	579418.927 VADOS€ WELL				21	T14NR27E32Q1	600-235			-		100	D-FR-3	Hanford (Not in Monument)
A9006	699-82-35	148266	579161 VADOSE WELL					T14NR27E32C1		-				100	D-FR-3	Hanford (Not in Monument)
A9007	699-82-38	148653	578341 VADOSE WELL	31-Dec-48 25	3	i	254	T14NR27E30R1	600-135			31-Dec-48	31-Dec-48	100	0-FR-3	Hanford (Not in Monument)
A9020	699-84-34A	149232	579617 UNCLASSIFIED					14/27-29K1, 699-84-34						100	0-FR-3	Monument River (Immed. South of River And Dunes)
//w023	699-84-36A	149208.285	578979.7 VADCO2 WELL 1			: 		T14NR27E29F1				-		ļi#	'F- - >	Howard plat it wonuments
A9025	699-84-36C	149061.	578739 UNCLASSIFIED		.	<u> </u> 		14/27-29M1				-		100	0-FR-3	Hanford (Not in Monument)
A9050	699-85-40B	149059	577523 VADOSE WELL				36	T14NR27E30L1	600-131,600-132,600-189					100	0-FR-3	Hanford (Not in Monument)
A9066	699-87-40	149872	577509 VADOSE WELL				43	14/27-30C1				_		100	0-FR-3	Hanford (Not in Monument)
A9067	699-87-42B	149878	576699 VADOSE WELL				45	T14WR26E25A2				-		100	0-FR-3	Hanford (Not in Monument)
A9068	699-87-42C	149873	577103 VADOSE WELL		ı	,	36	14/27-30D1, 699-87-42 -						100	0-FR-3	Hanford (Not in Monument)
A9069	699-87-47	150144.264	575487.791 VADOSE WELL				28	REF.2 NO. 117, REF.2 NO.117				-		100	0-FR-3	Hanford (Not in Monument)
A9071	699-88-39	150172.752	577826.908 VADOSE WELL			; ;	27	REF.2 NO. 106, REF.2 NO.106						100	0-FR-3	Hanford (Not in Monument)
A9072	699-88-42	150333.712	576927.455 GROUNDWATER WELL			i 		14/27-19N1, REF.2 NO.102						01-May-74 10	0-HR-3-H	Hanford (Not in Monument)
A9Å. ⇒	699-88-47	150317	575491 VADOSE WELL		ſ	;		T14NR26E24N1						100	0-HR-3-H	Hanford (Not in Monument)
A9076	699-90-47	150907	575567.4 GROUNDWATER WELL					T14NR26E24E1		20-May-85	20-May-8	5		22-Jun-61 10	0-HR-3-H	Hanford (Not in Monument)





Wellis Administratively Decommissioned

Buildings and Mobiles Highways Major Roads

Railroads Waste Sites Hanford Reach National Monument

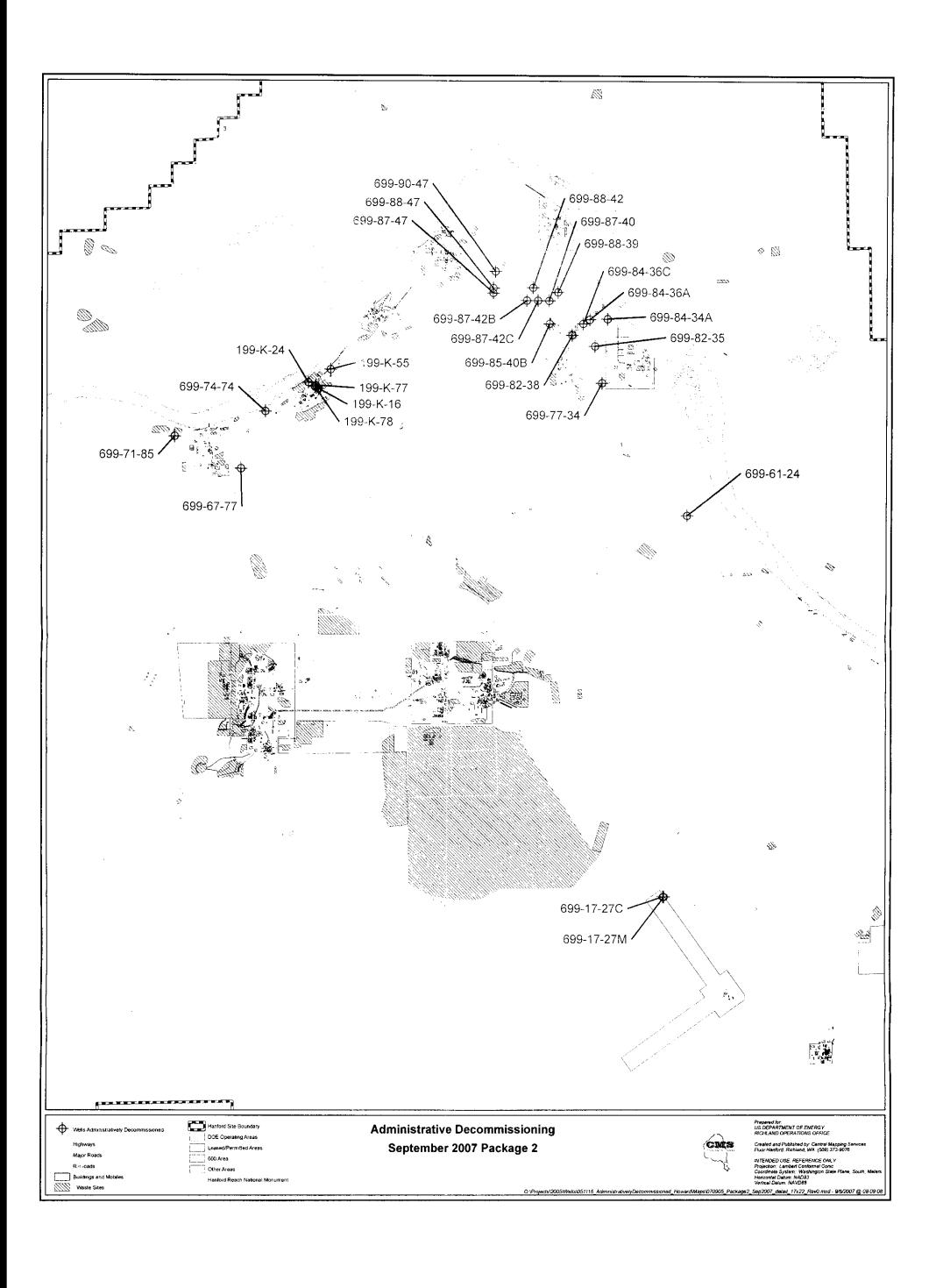
Administrative Decommissioning September 2007 Package 2



Prepared for: US DEPARTMENT OF ENERGY RICHLAND OPERATIONS OFFICE

Created and Published by: Central Mapping Services
Fluor Hanford, Richland, WA (509) 373-9076
INTENDED USE: REFERENCE ONLY
Projection: Lambert Conformal Conic
Coordinate System: Washington State Plane, South, Meters
Horizontal Datum: NAD83
Vertical Datum: NAVD88

O. Projects\2005\Wells\051116_AdministrativelyDecommissioned_Howard\Maps\070905_Package2_Sep2007_nonOUO_85x11_Rev0.mxd - 9/6/2007 @ 08.06.38



199-K-16 A4646

WELL ATTRIBUTES REPORT

WELL ID	A4646		NORTHI	ING	146720.188	FIELD ORDER NO		
WELL NAME	199-K-16		EASTIN	G	569202.547	LAST INSPECTION	1/1/	1801
HOST WELL ID			ELEVAT:	EON .	124.198	CONST DATE		/1953
GW OPERABLE UNIT	100-KR-4		DRILL D	ATE	2/10/1953	CONST DEPTH	50	
PROGRAMS					- 			**
WASTE SITES 50FT	100-K-42,118-KE	-1						
WM PLAN(S)								
WASTE STORAGE(S)								
LAST IN	SPECTION INFO	RMATI	ON		C	URRENT INSPECTION IN	VFORMAT	TON
WELL PAD		YES		₩ ND	WELL PAD	J. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	YES	□NO
BRASS SURVEY MARKER	1	YES		₩ ND	BRASS SURVEY	/ MARKER	YES	□NO
MARKER STAMPED WITH	,	YES	□ NO	✓ ND		PED WITH SURVEY DATA	YES	□ NO
MARKER STAMPED WITH		YES	□ NO	✓ ND		PED WITH WELL ID DATA	☐ YES	□NO
WELL LABELED WITH W		YES	NO	V ND	_	WITH WELL ID	YES	NO
WELL LABELED WITH W		YES	NO	✓ ND	_	WITH WELL NAME	YES	□ NO
PROTECTIVE POSTS		YES	□ NO	₩ ND	PROTECTIVE P	OSTS	☐ YES	NO
REMOVABLE POST IN PL	ACE	YES	NO	₩ ND	REMOVABLE P		YES	□ NO
WELL LOCK		☐ YES	□ NO	V ND	WELL LOCK		YES	NO
WELL DAMAGED		YES		₩ ND	WELL DAMAGE	:D	YES	□ NO
WELL IS DRY		YES	□ NO	✓ ND	WELL IS DRY		YES	NO
PARTED CASING		YES	□ NO	✓ ND	PARTED CASIN	IG	☐ YES	NO
BENTONITE IN WELL		YES		₩ ND	BENTONITE IN	I WELL	YES	□ NO
WELL SANDED IN		YES		✓ ND	WELL SANDED	IN	YES	NO
COLLAPSED CASING		YES		✓ ND	COLLAPSED CA	ASING	YES	□ NO
EQUIPMENT IN WELL		YES	□ NO	₩ ND	EQUIPMENT IN	WELL .	YES	□NO
DEBRIS IN WELL		YES		₩ ND	DEBRIS IN WE	·	YES	□ NO
SURFACE EROSION				✓ ND	SURFACE EROS		☐ MAJO	OR .
		MIN	OR	_			MINO	
		☐ NON	ΙE				☐ NON	
LAS	F PUMP INFORM	ATION				CURRENT PUMP INFO	RMATION	
PUMP ACTIVITY PERFOR	RMED	☐ INST	TALLED	✓ ND	PUMP ACTIVIT	Y PERFORMED	☐ INST	ALLED
	İ	INSF	ECTED				INSP	ECTED
		☐ NON	E				☐ NON	E
		REM	OVED				REMO	OVED
		REP	_ACED				REPL	ACED
		REP	AIRED				REPA	IRED
ACTIVITY PEFORMED BY	1				ACTIVITY PEFC	DRMED BY		
DATE ACTIVITY PERFOR	MED				DATE ACTIVITY	Y PERFORMED		
PUMP IN WELL		☐ YES	☐ NO	✓ ND	PUMP IN WELL		YES	☐ NO
PUMP TESTED		☐ YES		☑ ND	PUMP TESTED		☐ YES	☐ NO
NEW PUMP		YES	□ NO	✓ ND	NEW PUMP		YES	☐ NO
PUMP TYPE					PUMP TYPE			
PUMP MAKE					PUMP MAKE			
PUMP MODEL					PUMP MODEL			
PUMP INTAKE DEPTH (fi					PUMP INTAKE			
	TUBING INFOR	MOITAN				CURRENT TUBING INFO	RMATIO	N
TUBING SIZE (in)					TUBING SIZE (
TUBING MATERIAL					TUBING MATER			
TUBING LENGTH (ft)					TUBING LENGT	- · · · · · · · · · · · · · · · · · · ·		
TUBING CONNECTION					TUBING CONNI			
	SUREMENT INF	ORMATI	ON			RRENT MEASUREMENT I	NFORMAT	TON
DEPTH TO WATER(ft)					DEPTH TO WAT			
DEPTH TO WATER DATE					DEPTH TO WAT			
DEPTH TO BOTTOM(ft)					DEPTH TO BOT			
DEPTH TO BOTTOM DAT	E				DEPTH TO BOT	TOM DATE		
STICK UP(ft)					STICK UP(ft)			
REFERENCE MARK(ft)			<u></u>		REFERENCE MA			
REFERENCE MARK IS TO	oc T	YES	NO	✓ ND	REFERENCE MA	ARK IS TOC	☐ YES	□ NO

WELL ATTRIBUTES REPORT

WELL ID		A4646	NORTHING	146720.188	FIELD OR	DER NO		
WELL NAME		199-K-16	EASTING	569202.547	LAST INS	PECTION	1/1/180	
HOST WELL ID)		ELEVATION	124.198	CONST D	ATE	2/10/19	
GW OPERABLE	UNIT	100-KR-4	DRILL DATE	2/10/1953	CONST DI	PTH	50	
PROGRAMS							***************************************	
WASTE SITES	50FT	100-K-42,118	3-KE-1					
WM PLAN(S)			· · · · · · · · · · · · · · · · · · ·					
WASTE STORA	GE(S)							
			WELL ATTI	RIBUTE COMME	ENTS			
			CASING	INFORMATIO	N			
SIZE/UNITS	TOP/I	BOT/UNITS	MATERIAL	TYPE	CONNECTION	THICKNES	SS/UNITS	REMOVED
8/in	1	0/50/ft	CARBON STEEL	INNER				N
			SCREEN	INFORMATIO	N			
SIZE/UNITS	TOP/I	BOT/UNITS	MATERIAL		ТҮРЕ	SLOT SIZ	E/UNITS	REMOVED
CHANGES								
			PERFORAT	ION INFORMAT	TION			
					CUTS/FT/ROUND	1		REMOVED
CASING SIZ	ZE/UNI	TS TO	P/BOT/UNITS		COTS/TT/ROOMS	·		712110120

		COORDINA	ATES	CASING ELEV	DRILL DEPTH		PERF/S	CREEN		COMMENTS
	TYPE TYPE	L 83 NS/EW	PLANT NS/EW	WELL DIAM DATE_COMPL	COMPL_DEPTH DEPTH_WATER	TYPE	DIAM	TOP	BOT	PREVIOUS WELL NAMES
199-K-15	UN		77160.00 -69050.00	408.00 6.0 4/43	150.0 150.0					USED TH.#1
 199-K-16	VW		76300.00 -67800.00	404.00 8.0 2/53	50.0 50.0					105-KE-1
 -			d Wells UC-903	/lerz	75.0 75.0	P	8.0	50.0	75.0	105-KE-2
	Prepa		st 1993 Dept of Energ	gy under	60.0 40.0 21.0			10.0	50.0	107-KE-3 SCREEN 26-46 FT.
P		W Lab by Ba			51.0 51.0 30.0	P	8.0	10.0		107-KE-4
199 - K-20	GW S		79500.00 -66125.00	422.57 8.0 5/55	50.0 48.0 31.0	P	8.0	10.0	50.0	107-KE-5
199-K - 21	GW	147932.00 569770.11	80000.00 -66000.00		50.0 16.0	P	8.0	10.0	50.0	107-KE-6
199 - K-22	GW H	148097.28 570023.89	81000.00 -65000.00		50.0 49.0 30.0	P	8.0	10.0	50.0	#15 SCREEN 29-49 FT. 107-KE-7
199-K-23	G₩		78000.00 -68000.00		80.0 25.0	P	8.0	65.0	80.0	1706-KER-1
199 - K-24	VW		77000.00 -69000.00		50.0 50.0					105-KW-2
199-K-25	G₩	•	78000.00 -68000.00		76.0 76.0	P	8.0	50.0	75.0	105-KW-3
199-K-26	VW			464.00 8.0 8/53	15.0 15.0					115-KE-1

HWIS Interface - Survey Information - Horizontal & Vertical

w						HOR	IZON	TAL DA	TA									VE	RTIC	AL DAT	Α				
ш ⁻	W EL L NA ME	HORZ_ SURVE Y_CON TRACT OR	HORIZ ONTA L_DAT UM_T YPE	HOR Z_SU RVE Y_D ATE	HORZ_ MEASU REMEN T_MET HOD	20世世2の	EATEG	HOR Z_SU RVE Y_UN ITS	HO RZ_ QU ALI FIE R	CON VERS ION_ MET HOD	HORZ_ SURVE Y_POI NT_DE SC	HORZ _SUR VEY_P RECIS ION	Ī	D - 0 C - Y	ELEV_ SURVE Y_CON TRACT OR	VERTI CAL_ DATU M_TY PE	ELE V_S URV EY_ DAT E	ELEV_ MEASU REMEN T_MET HOD	EL EV AT IO N	ELEV _SU RVE Y_U NITS	ELE V_Q UAL IFIE R	ELEV_ CONVE RSION _METH OD	ELEV_ SURVE Y_POI NT_DE SC	ELEV_ SURV EY_P RECIS ION	
4 4 5 4 5	19 9- K- 16	UNKNO WN	NAD83	01/01 /1801	CONVE RTED	14 67 20 .1 88	56 92 02 .5 47	m		CTRA NS98	CENTE R OF CASIN G (ASSU MED)	0	N o v al u e	Novalue	HEIS	NAVD 88	02/04 /1953	CONVE RTED	12 4.1 98	m		CORPS CON	REFER ENCE ELEVA TION	0	

F N

	SURVEY DATA	REPORT				quest No. 2-135	
Project No.	Title: Well Decommissioning: A464	16			1	e No. T13R26	
65400811.1225400	Prepared By Tim Johnson	Date 3/27/2007		Reviewer (Henk		Page 1 of 2
	DESCRIPTION OF WORK		DISTRI	BUTION	SDR	PLOT	DWG
lath. Take photo.	5. If found, fill out WAR Report. If not n: US State Plane 1983 Washington South 4602 NAD 1983 (Conus) NAVD 1988 Geoid03 Meters	found, set hub and	B. How C. Wrig G. Kelty E. Rafus	ard ht	OR 1 1 1 1 1 1 1		

SURVEY RESULTS AND COMMENTS

Well ID# A4646 has listed coordinates N146720.188 E69202.547 that fall inside the 105KE Reactor Building and therefore was unable to survey.

NOTE: This Survey was performed under the supervision of a Licensed Professional Land Surveyor registered in the State of Washington.

	SCAN DATA I	REPORT				Request No.: 072-235	
Project No.: NA	Title: SCAN: Well Decommi	issioning / Wei	11 A4646	No Scan		File No. : 100K-001	
No.: 65400811.1225400/CA10	Prepared by: S. Wray			Date: 3/29/07	Reviewer	Kent	Page
DESCRIPTION OF WORK:				DISTRIBUTION	SDR	SKETCH	DWG
Perform ground scan at staked l	location of Well A4646			Survey File	OR	OR	
No Scan				B.J. Howard	l		
No Scan				E.C. Rafuse	1		
				G.G. Kelty	1		
				C.S. Wright	1		<u> </u>
					 	<u> </u>	
	GATION: 3/29/07					<u> </u>	<u></u>
DATE OF FIELD INVESTIG		Soil Condition	ns: 🔯	Rocky S	indy [Wet	Dry
Weather: Temp 50°F ☐ Cloudy ☐ Clear ☐	Wind 5 MPH P. Cloudy Fog	Depth of Inve	stigation	6 feet			
Equipment Used: 50/60 Hz detector (for	r energized lines)			d Functional Check /Completed	S		
Radio Frequency Elec							
Ground Penetrating R							
Other (identify)							
GPR Antenna(s) Used:	1000 MHz	500	MHz_	400 M	IHz	300	0 MHz
Documentation Provided: NO	NE						
Limits of Investigation: NA.			 -				
EQUIPMENT LIMITATION	NS:	<u> </u>					
1. Objects made of concrete,	clay pipe, PVC pipe, and f	iberglass pipe	are gene	rally not detectable.			
2. The transducers have a ho 500 MHz is within 1 ft. of 3 ft. of an existing structure.	rizontal scanning limit to e f an existing structure; the 4 re.	xisting structu 100 MHz is wi	res: the thin 1 ft.	1000 MHz is within of an existing struct	6 in, of a ture; and t	n existing s he 300 MH	tructure; (z is withi
Discussion of Findings:							
Well A4646 falls inside the 10	SKE Reactor Bldg. No sca	an.					
· 1							

KW-6.287

Foreman ...

199-K-16

DRILLING LOG

PROJECT NO.

Rig Ko	AEC 22-3133
Kell No	105-KE-1
Driller	Gentz

Date <u>2/4/53</u>
Shift _____

Depth beginning of Shift O'

Depth completion of Shift ______31_

DRI	LLING	co	RING	TYPE SOIL		OTHER DELAYS
Time	Depth	Time	Depth		Time	Explanation
					£:30-10:00	Hauling pipe from yard to 100-K.
					10:00-2:30	Setting up rig and puting string of tools
						togather.
2:30-3:15	31	Boulders a	nd gravel.	Runs from pea		
		gravel up	o En ponje	lers.		
					 	
					_	-
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R	E	М	Å	R	K	\$

DRILLING LOG

PROJECT NO. _____

ll No. 105 iller <u>Gent</u>	<u>z</u>				Depth beginn Depth complet	Shifting of Shiftion of Shifti
DRIL	LING	CO	RING	TYPE SOIL		OTHER DELAYS
Time	Depth	Time	Depth -		Time -	Explanation
:30-9:30	51	Gravel and	boulders.			
:30-12:30	10'	Gravel and	boulders.		·	
					12:30-2:00	Starter pipe 1514" over hole, also changed
	· · · · · · · · · · · · · · · · · · ·					bits.
.00 2-35	121	Gravel.				
:00-3:15	14.	Graver				,
			<u> </u>	 		+
				,		
		_		<u> </u>		
			1			
				<u> </u>	<u> </u>	
		,			MARKS	coarse sand.
					with a little	
t 12' psa	gravel rur	ıs up to l", ı	no boulders	<u> </u>		
	<u> </u>					N .
			<u></u>			

DRILLING LOG

PROJECT NO.

Rig No. AEC 22-3133 Well No. 105-KE-1 Driller Gentz Foreman				Date	
DRILLING	CORING	TYPE SOIL		OTHER DELAYS	
DRIELING			Tina	Frolenation	

DPII	LING	CO	RIKG	TYPE SOIL	·	OTHER DELAYS
Time	Depth	Time	Depth		Time	Explanation
		•			8:30-10:00	Repairing rig.
10:00-11:30	15'	Black sand	and pea g	ravel.		
					11:30-12:00	Welding St pipe 2314" over hole.
12:00-1:00	201	Coarse gra	vel up to	<u>] </u>		
1:00-1:30	231	Coarse gra	vel up to	3".		
					1:30-2:00	Welding 7'6" pipe 30'10" over hole.
2:00-3:00	251	Small and	coarse gra	wel with a little	sand.	•
3:00-3:15	271	Coarse gra	rel and pe	grave]		
			<u> </u>			
			<u> </u>			
•		<u> </u>			<u> </u>	

REHARKS

There was a little black sand at 14', at 15' it was 25% sand and pea gravel.	
From 14, to 18, there was 25% black sand.	
At 181 it was coarse gravel up to 12".	
At 221 gravel was up to 3".	
25 Fismall and coarse gravel with 10% sand.	

DRILLI..G LOG

PROJECT NO. _____

DRILLING COR Time Depth Time	TYPE SOIL Depth		OTHER DELAYS
	Desth		
	vehru	Time	Explanation
:30-9:45 30! Small and co	earse gravel and sand.	9:45-10:15	Welding 7:1" pape 37111" over hole.
.0:15-12:00 35! Coarse grave	el and sam.		
12:00-1:00 37' Coarse grave	el and servi.	1:00-1:30	Welding 6'10" pipe Lhion over hole.
1:30-2:30 401 Coarse grave	el and sand.		
2:30-3:00 A2! Gravel run-	from 3/4" up to 3".		
3:00-3:15 43' Gravel nunc	from 3/4" up to 3".		
	R E	MARKS	

DRILLING L 0 G

PROJECT NO. _

Driller Gentz For eman_ Well No. 105-13-1 AUSC 22-3133

Date_

Shift_

Depth completion of Shift __ Depth beginning of Shift_ 50-73

פאור	סאוררואפ	00	CORING	TYPE SOIL		OTHER DELAYS
Time	Depth	Time	Depth .		Time .	Explanation
0.35_0.05	j. 5.1	ניחם הפשר בחינו	ליסיים פאיים בחל נפון.			
0		000000000000000000000000000000000000000			9:30-10:00	9:30-10:00 Felding 61/" pine 51:1" over hole.
10.55-10.55	5	Corse gra	ביים ביים ביים ביים			
10.00	,				12:00-3:15	12:00-3:15 Corine to 108-2-1.
					-	
				•		

REMARKS

1922 is 301 dues, blume is 51 the of the over leve

1 to 501 50% coarse mayel, runs about 3" and 50 sand

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Gentz IV. Marchen IV. Company		WELL CONST	AND -	COMPLETION SUMMARY AS—BUILT
CENTENNIST Contract Was State MF	Della di	Cooke 1000	Addition INF	1
CENTERVATED THE CONTROL OF THE CONT	i	Pentz	MA State IMF	INF
The value of the v	į.	J.	Company INF	
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TRANSPAPRITY Date source: Digilar's log The SAME. The SAME. The SAME. The SAME is to 1-3-h. The of surface seeing of pressiph. The of surface seeing of s	Des es updeg	Her. None docume	nted	of cooking:
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N/k Net Applicate W/r Net Applicate Write Instruction Date Enrotion/(Section of benefactor Enrotion/(Section of benefactor Enrotion/(Section of tensorialested benefactor)				
	MOTES	H//c net Applicable NY: Insufficient Dots		

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Drawing By: <u>BKL/18K816.ASB</u> Detet			30-25; Small and coarse CRAVEL and SAND 30-42; Coarse GRAVEL and SAND 42-44; Charte Input from 3/4-in up to 3-in 44-90; Coarse GRAVEL and SAND		COURT (CONTROL OF CONTROL OF CONT	prilling Hethod: Cable tool Hethod: Jard tool troel Drilling Fluid Used: Het documented Used: Mat documented Drilling Drilling Drilling Drilling Company Company Company: Mat documented Company Occupany: Mat documented Dete Dete Started: Octobrilling Sample Hethod: Mat documented Dete Sample Sample Sample Hethod: Mat documented Dete Sample Sample Sample Hethod: Mat documented Dete Sample Sampl
	Depth bettom of perforations: (_10) Depth bettom of casing: (_30_ft) Depth bettom of barehole: (_30_ft)	Type of filter: tot. decimented type of filter: type of particular type of p	I.D. of riser pipe: (<u>0.0-in</u>) Type of riser pipe: Carbot Steel Dismeter of borehole: (<u>9-in nom</u>)	Type of surface seel: Type of surface seel: Mana_documented I.D. of surface cosing (If present)	Elevation of reference point: (194,00-ft) (top of casing) Height of reference point above(10) ground surface	WELL 15 PROPRINT NAMES: 199-K-16 WELL NO: 105-KE-1 Harriard 105-KE-1 WELL NO: 105-KE-1 Coordinates: 18-75-300 E/V V 468-800 State Coordinates: 481-400 E 2.225-300 State State Coordinates: 1 R 8 Elevation Ground surface: (ft)1-Not documented R 8

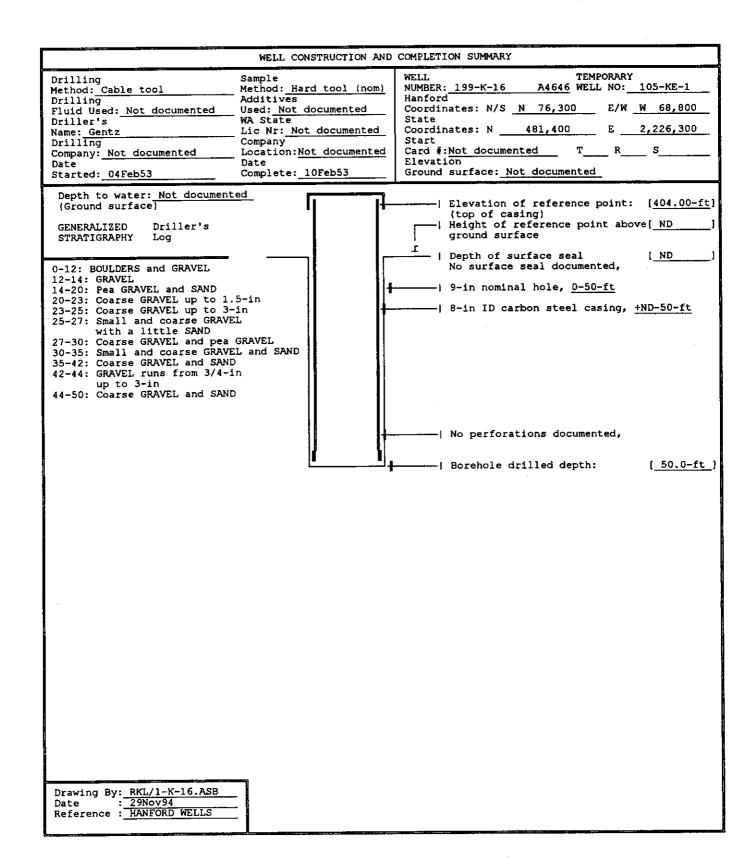


WHC-SD-ER-TI-006, Rev. 0

SUMMARY OF CONSTRUCTION DATA AND FIELD OBSERVATIONS RESOURCE PROTECTION WELL - 199-K-16

MELL DESIGNATION : 199-X-16
CERCLA UNIT : 100-ER-2
RCRA FACILITY : MA
HAMMOND COUNDINATES : M - 481,400 E 2,226,300
DATE SMILLED : 7-853
SMEPTH DRILLED : 7-853
SMEPTH DRILLED : 7-853
SMEPTH DRILLED : MD
DEPTH TO MATER (GS) : MD
CASING SIAMSTEE : 404.09-ft
ELEV TOP CASING : 404.09-ft
ELEV TOP CASING : MD
SCREENED INTERVAL : MD
SCREENED INTERVAL : MD
SCREENED INTERVAL : MD
SCREENED INTERVAL : MA
CONDENTS : MA
AMAILABLE LOGS : D-111-0TY SCAN COUNERTS : MA
DATE EVALUATED : MA
EVAL RECOMMINATION : MA
LISTED USE : MA
LISTED USE : MO sempled 1969
HAINTEMANCE : MO





SUMMARY OF CONSTRUCTION DATA AND FIELD OBSERVATIONS RESOURCE PROTECTION WELL - 199-K-16

199-K-16 WELL DESIGNATION 100-KR-2 CERCLA UNIT RCRA FACILITY

Not applicable N 76,300 W 68,800 [HANFORD WELLS N 481,400 E 2,226,300 [HANCONV]

HANFORD COORDINATES: LAMBERT COORDINATES: DATE DRILLED : DEPTH DRILLED (GS): Feb53 50-ft

MEASURED DEPTH (GS):
DEPTH TO WATER (GS):
CASING DIAMETER: Not documented Not documented

Not documented 8-in, ND-50-ft 404.00-ft, [HANFORD WELLS] Not documented

ELEV TOP CASING : ELEV GROUND SURFACE : PERFORATED INTERVAL : SCREENED INTERVAL : None documented

Not applicable No FIELD INSPECTION, unable to locate OTHER: COMMENTS

Driller

AVAILABLE LOGS :
TV SCAN COMMENTS :
DATE EVALUATED :
EVAL RECOMMENDATION :
LISTED USE :
CURRENT USER :
PUMP TYPE : Not applicable Not applicable Not applicable None

None documented None documented MAINTENANCE

Query HWIS again

Available Documents:

Well ID	Document Number	Document Type	Date	Description	Rev
Well ID:	A4646, Well Na	me: 199-K-	16		
A4646		DLG		DRILL LOG (KEH)	
A4646		11 31 (4)	1953-02-04 00:00:00	DRILL LOG (KEH)	
A4646		IDD(3)A/ I	1989-11-01 00:00:00	RESOURCE PROTECTION GROUND WATER WELL STRUCTURE FITNESS FOR USE CHECKLIST	
A4646		RPGW	1, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,	RESOURCE PROTECTION GROUND WATER WELL STRUCTURE FITNESS FOR USE CHECKLIST	
A4646		II I IX .	2000-07-13 00:00:00	VARIANCE ISRM PUMP USAGE [7451 WELL ID LISTED]	

Query HWIS again

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	STATUS	STATUS_CHANGE_DATE	STATUS_CHANGE_COMMENT
A4646	1100-K-16 I	CANDIDATE FOR DECOMMISSIONING	05/09/2002	

Worley, Scott H

""rom: Worley, Scott H

Lt: Friday, June 29, 2007 10:39 AM

To: Howard, Bonnie J; Kelty, George

Cc: Weekes, David C

Subject: 199-K-16 needs Admin. Decommissioning

Bonnie, George asked if he should take these messages from me as the final word for making changes to the D-base. I thought it would be good for you to confirm these decisions. If you concur with this decision please let George know.

Per Survey Data Report and Scan Data Report for Well 199-K-16 the well location is underneath the 105KE Reactor Building.

This well needs to be Adminstratively Decommissioned.

Scott Worley

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	DRILL_DATE	START_CARD_NUMBER	DRILL_DEPTH	DRILL_DEPTH_UNITS	COMMENTS	SOURCE	DATE_OF_SOURCE
A4646	199-K-16	02/10/1953		50	ft		WELL CONSTRUCTION & COMPLETION SUMMARY/ ASBUILT	11/29/1994

199-K-24 A5742

199-K-24 A5742

WELL ATTRIBUTES REPORT

WELL ID	A5742		NORTH	HING	146932.692	FIELD ORDER NO	-			
WELL NAME	199-K-24		EASTI		568836.347	LAST INSPECTION		1901		
HOST WELL ID	133-1(-2-1		ELEVA:		143.401		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
GW OPERABLE UNIT	100-KR-4		DRILL	=	143.401 CONST DATE 12/27/1952 12/27/1952 CONST DEPTH 50					
PROGRAMS	100-111-1		DKILL	DATE	12/2//1952	CONSI DEPIR	30			
WASTE SITES 50FT	100-K-63									
WM PLAN(S)	1001100				······································					
WASTE STORAGE(S)										
					1					
	ISPECTION INFO					URRENT INSPECTION I				
WELL PAD		YES			WELL PAD		YES			
BRASS SURVEY MARKER		YES	U NC		BRASS SURVEY		☐ YES	<u> </u>		
MARKER STAMPED WITH		YES YES	U NC	_=		PED WITH SURVEY DATA	YES	NO NO		
WELL LABELED WITH W		YES	NC			PED WITH WELL ID DATA WITH WELL ID		NO NO		
WELL LABELED WITH W		YES	□ NO			WITH WELL ID	YES YES	NO NO		
PROTECTIVE POSTS	LLL IVALIL	YES	☐ NO		PROTECTIVE P		YES	□ NO		
REMOVABLE POST IN PL	ACF	YES			REMOVABLE PO		YES	□ NO		
WELL LOCK	7102	YES	☐ NO	_=_	WELL LOCK	DOT THE FUNCE	YES	□ NO		
WELL DAMAGED		YES			WELL DAMAGE	D	YES	□ NO		
WELL IS DRY	-	YES	□ NO		WELL IS DRY	-	YES	□ NO		
PARTED CASING		YES	□ NO		PARTED CASING	G	☐ YES	□NO		
BENTONITE IN WELL		YES	□ NO	_=	BENTONITE IN	_	YES	□NO		
WELL SANDED IN		YES	NO	_=-	WELL SANDED		YES	NO		
COLLAPSED CASING		☐ YES	□ NO	✓ ND	COLLAPSED CAS		YES	NO		
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TUBING SIZE (in)					TUBING SIZE (in					
TUBING MATERIAL					TUBING MATER					
TUBING LENGTH (ft)	-		****		TUBING LENGTH	····				
TUBING CONNECTION					TUBING CONNE	· · · ·				
	SUREMENT INFO	RMATI	DN NC		-+	RENT MEASUREMENT I	NFORMAT	TION		
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DEPTH TO WATER DATE					DEPTH TO WATI					
DEPTH TO BOTTOM(ft)		50	· · · · · · · · · · · · · · · · · · ·		DEPTH TO BOTT					
DEPTH TO BOTTOM DATE					DEPTH TO BOTT					
STICK UP(ft)				•	STICK UP(ft)					
REFERENCE MARK(ft)					REFERENCE MAR	RK(ft)				
REFERENCE MARK IS TOO	.	YEC	NO	✓ ND			VEC	NO.		

ND* - Not Documented

WELL ATTRIBUTES REPORT

PERFORATION INFORMATION CASING SIZE/UNITS TOP/BOT/UNITS CUTS/FT/ROUND REMOVED	WELL ID		A5742	NORTHING	146932.692	FIELD OR	DER NO			
GW OPERABLE UNIT 100-K-4 DRILL DATE 12/27/1952 CONST DEPTH 50 PROGRAMS WASTE STORAGE(S) WELL ATTRIBUTE COMMENTS CASING INFORMATION SIZE/UNITS TOP/BOT/UNITS MATERIAL TYPE CONNECTION THICKNESS/UNITS REMOVED NO. SCREEN INFORMATION CHANGES SCREEN INFORMATION SIZE/UNITS TOP/BOT/UNITS MATERIAL TYPE SLOT SIZE/UNITS REMOVED NO. SCREEN INFORMATION CHANGES CHANGES PERFORATION INFORMATION CASING SIZE/UNITS TOP/BOT/UNITS MATERIAL TYPE SLOT SIZE/UNITS REMOVED NO. SIZE/UNITS NO. SIZE/UNITS NO. SIZE/UNITS REMOVED NO. SIZE/UNITS NO. S	WELL NAME		199-K-24	EASTING	568836.347	LAST INSI	PECTION	1/1/1801		
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PERFORATION INFORMATION CASING SIZE/UNITS TOP/BOT/UNITS CUTS/FT/ROUND REMOVED	CHANGES									
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				PERFORATIO	ON INFORMAT	ION				
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CHANGES										
	CHANGES									
				·						
										

ND* - Not Documented 8/1/2007 DAGE 2 of 2

WELL NAME				CASING_ELEV		PERF/SCREEN				COMMENTS		
		TYPE TYPE	L 83 NS/EW	PLANT NS/EW	WELL DÎAM DATE COMPL	COMPL_DEPTH DEPTH_WATER	TYPE	DIAM	TOP	BOT	PREVIOUS WELL NAMES	
L99-K-	-15			77160.00	408.00	150.0						
		U N		-69050.00	6.0 4/43	150.0					USED TH.#1	
L99-K-	-16			76300.00	404.00	50.0						
	•	VW		-67800.00	8.0 2/53	50.0					105-KE-1	
199-K-	-17				406.00	75.0	P	8.0	50.0	75.0		
	•	VW			8.0 9/53	75.0					105-KE-2	
					Ť						•	
199-K	-18				409.00	60.0						
		GW			8.0 10/54	40.0 21.0					107-KE-3	
					10/54							
199-K				78000.00	422.17	51.0	P	8.0	10.0	50.0	SCREEN 26-46 FT.	
		G₩		-67000.00	8.0 4/55	51.0 30.0					107-KE-4	
		S			4/35	50.0						
199-K	-20			79500.00	422.57	50.0	P	8.0	10.0	50.0		
		GW		-66125.00	8.0 5/55	48.0 31.0					107-KE-5	
		S			422 73		_		10.0	50.0		
100_1	_21		Hanford V		101 73	50.0 16.0	P	8.0	10.0	50.0		
		D.		UC-903		•					107-KE-6	
				& J. K. Merz		50.0	P	8.0	10.0	50.0	#15 SCREEN 29-49 FT.	
			August 1			49.0					107-KE-7	
	Pre	nared f	or U.S. Den	t of Energy und	der	30.0					107-RE-7	
	110	Contra	ct DF-AC06	-76RLO 1830		80.0	P	8.0	65.0	80.0		
Т)aaifia	NIXI I	ah by Battel	le Memorial In	stitute	25.0					1706-KER-1	
r	acino	IN WY L	ao oy battor	10 101011101141 111							1700-KER-1	
199-K	-24			77000.00	467.00	50.0				<u>-</u> _		
		VW		-69000.00	8.0	50.0					105-KW-2	
					12/52					···-	100 111 2	
199-K				78000.00	473.00	76.0	P	8.0	50.0	75.0		
		GW		-68000.00	8.0 8/53	76.0					105-KW-3	
					-							
199-K	-26	****			464.00	15.0						
		VW			8.0 8/53	15.0					115-KE-1	
					0, 55							

DESCRIPTION OF WORK: Perform ground scan at staked location of Well A5742 DESCRIPTION OF WORK: Perform ground scan at staked location of Well A5742 DESCRIPTION OF WORK: Perform ground scan at staked location of Well A5742 DATE OF FIELD INVESTIGATION: DATE OF FIELD INVESTIGATION: SOURCE Sou		SCAN DATA I	REPORT					Request No.: 072-235	
DESCRIPTION OF WORK: Perform ground scan at staked location of Well A5742 DISTRIBUTION SDR SKETCH DWG Survey File OR OR B.J. Howard 1 C.S. Wright 1 C.	Project No.: NA			1					
Perform ground scan at staked location of Well A5742 Survey File	ſ				Harfe	-			
Perform ground scan at staked location of Well A5742 B.J. Howard 1	DESCRIPTION OF WORK:				DISTRIB	UTION	SDR	SKETCH	DWG
B.J. Howard 1 E.C. Rafuse 1 G.G. Kelty 1 C.S. Wright 1	Perform ground scan at staked lo	ocation of Well A5742			Survey Fi	le	OR	OR	
BATE OF FIELD INVESTIGATION: 3/29/07 Weather: Temp_50°F Wind_5 MPH Cloudy Fog Depth of Investigation 6 feet Equipment Used: Required Functional Checks Current/Completed Sol/60 Hz detector (for energized lines) X Radio Frequency Electromagnetics (RF) X Ground Penetrating Radar (GPR) Other (identify) GPR Amenna(s) Used: 1000 MHz 500 MHz 400 MHz 300 MHz Limits of Investigation: 20 ft square area around staked well location. EQUIPMENT LIMITATIONS: 1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable. 2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in, of an existing structure; the 500 MHz is within 1 ft, of an existing structure; the 500 MHz is within 1 ft, of an existing structure; the 300 MHz is within 1 ft, of an existing structure; and the 300 MHz is within 1 ft, of an existing structure; the 500 MHz is within 6 in, of an existing structure; the 500 MHz is within 1 ft, of an existing structure; the 500 MHz is within 5 ft, of an existing structure; the 500 MHz is within 1 ft, of an existing structure; the 500 MHz is within 6 in, of an existing structure; the 500 MHz is within 1 ft, of an existing structure; the 500 MHz is within 6 in, of an existing structure; the 500 MHz is within 1 ft, of an existing structure; the 500 MHz is within 1 ft, of an existing structure; the 500 MHz is within 1 ft, of an existing structure; the 500 MHz is within 1 ft, of an existing structure; the 500 MHz is within 1 ft, of an existing structure; and the 300 MHz is within 5 in, of an existing structure; the 500 MHz is within 1 ft, of an existing structure; and the 300 MHz is within 5 in, of an existing structure; the 500 MHz is within 5 in, of an existing structure; the 500 MHz is within 5 in, of an existing structure; the 500 MHz is within 5 in, of an existing structure; the 500 MHz is within 5 in, of an existing structure; the 500 MHz is within 5 in, of an existing structure; the 500 MHz is within 5 in, of an existing struc	,				B.J. How	ard	1		
DATE OF FIELD INVESTIGATION: 3/29/07 Weather: Temp_50°F					E.C. Rafu	ise	1		
DATE OF FIELD INVESTIGATION: 3/29/07 Weather: Temp_50°F Wind 5 MPH Cloudy Fog Depth of Investigation 6 feet Equipment Used: Current/Completed 50/60 Hz detector (for energized lines) Radio Frequency Electromagnetics (RF) Other (identify) GPR Antenna(s) Used: 1000 MHz 500 MHz 400 MHz 300 MHz Limits of Investigation: 20 ft square area around staked well location. EQUIPMENT LIMITATIONS: 1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable. 2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure; and the 300 MHz is within 5 fin. of an existing structure; and the 300 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 5 fin. of an existing structure; and the 300 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure.					G.G. Kelt	ty	1		
Weather: Temp 50°F Wind 5 MPH Soil Conditions:					C.S. Wrig	ght	1		
Weather: Temp 50°F Wind 5 MPH Soil Conditions:									
Weather: Temp 50°F Wind 5 MPH Soil Conditions:									
Weather: Temp 50°F Wind 5 MPH Soil Conditions:									
Cloudy Clear P. Cloudy Fog Depth of Investigation 6 feet	DATE OF FIELD INVESTIG	ATION: 3/29/07				·····	1	·	· · · · -
Equipment Used: 50/60 Hz detector (for energized lines) Radio Frequency Electromagnetics (RF) Other (identify) GPR Antenna(s) Used:	Weather: Temp 50°F	Wind 5 MPH	Soil Condition	ons:	Rocky	Sa	ndy [] Wet [Dry
Equipment Used: Sol/60 Hz detector (for energized lines) Radio Frequency Electromagnetics (RF) Soround Penetrating Radar (GPR) Other (identify) GPR Antenna(s) Used: 1000 MHz 500 MHz 400 MHz 300 MHz Limits of Investigation: 20 ft square area around staked well location. EQUIPMENT LIMITATIONS: 1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable. 2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure. Discussion of Findings:			Depth of Inv	estigation	6	feet			
x Radio Frequency Electromagnetics (RF) x Ground Penetrating Radar (GPR) Other (identify) GPR Antenna(s) Used: 1000 MHz 500 MHz 400 MHz 300 MHz Documentation Provided: NONE Limits of Investigation: 20 ft square area around staked well location. EQUIPMENT LIMITATIONS: 1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable. 2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure. Discussion of Findings:	Equipment Used:	Equipment Used:							
X Ground Penetrating Radar (GPR) Other (identify) GPR Antenna(s) Used: 1000 MHz 500 MHz 400 MHz 300 MHz Documentation Provided: NONE Limits of Investigation: 20 ft square area around staked well location. EQUIPMENT LIMITATIONS: 1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable. 2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure. Discussion of Findings:	50/60 Hz detector (for	energized lines)							
GPR Antenna(s) Used: 1000 MHz 500 MHz 400 MHz 300 MHz Documentation Provided: NONE Limits of Investigation: 20 ft square area around staked well location. EQUIPMENT LIMITATIONS: 1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable. 2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure. Discussion of Findings:	x Radio Frequency Electronic	romagnetics (RF)		×					
GPR Antenna(s) Used: 1000 MHz 500 MHz 400 MHz 300 MHz Documentation Provided: NONE Limits of Investigation: 20 ft square area around staked well location. EQUIPMENT LIMITATIONS: 1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable. 2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure. Discussion of Findings:	x Ground Penetrating Ra	dar (GPR)		⊠					
Documentation Provided: NONE Limits of Investigation: 20 ft square area around staked well location. EQUIPMENT LIMITATIONS: 1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable. 2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure. Discussion of Findings:	Other (identify)								
Limits of Investigation: 20 ft square area around staked well location. EQUIPMENT LIMITATIONS: 1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable. 2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure. Discussion of Findings:	GPR Antenna(s) Used:	1000 MHz	500	MHz		400 MI	Iz	300	MHz
 EQUIPMENT LIMITATIONS: Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure. Discussion of Findings:	Documentation Provided: NON	E							·
 Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure. Discussion of Findings:	Limits of Investigation: 20 ft sq	uare area around staked w	ell location.						
2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure. Discussion of Findings:	EQUIPMENT LIMITATIONS		~~~						
500 MHz is within 1 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure. Discussion of Findings:	Objects made of concrete, c	lay pipe, PVC pipe, and fi	berglass pipe	are gener	ally not det	ectable.			
	500 MHz is within 1 ft. of a	n existing structure; the 40	kisting structu 00 MHz is wi	res: the lethin 1 ft. c	000 MHz i of an existin	s within 6 ng structu	in. of ar re; and th	n existing str ne 300 MHz	ucture; the is within
No evidence of well casing detected in scan area.	Discussion of Findings:				111111				
	No evidence of well casing deter	cted in scan area.							
	1								
	• <i>•</i> • • • • • • • • • • • • • • • • •								

IWIS Interface - Survey Information - Horizontal

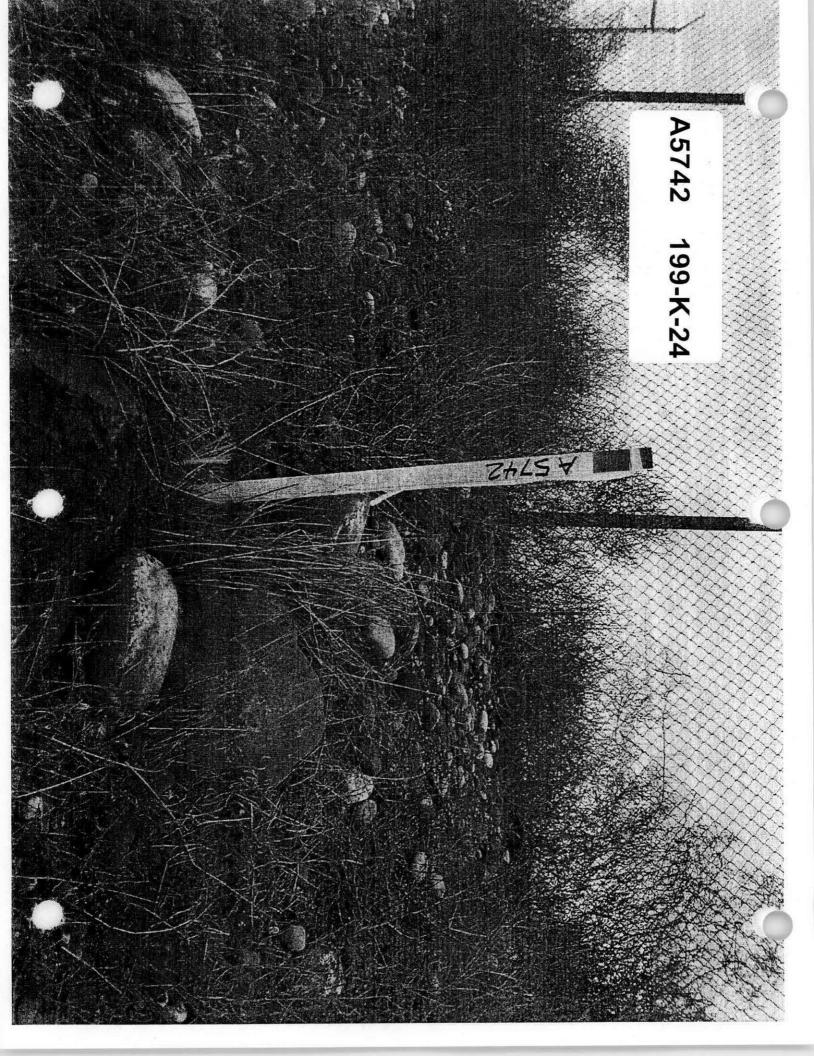
	, ,				MEASUREMENT_METHOD			QUALIFIER
A5742	199-K-24	UNKNOWN	NAD83	01/01/1801	CONVERTED	 568836.347	m	

	l l	quest No. 2-135	······································				
Fiect No.	Title: Well Decommissioning: A5	Title: Well Decommissioning: A5742					
Job No. 65400811.1225400	Prepared By Tim Johnson						Page 1 of 2
	DESCRIPTION OF WORK		DISTRI	BUTION	SDR	PLOT	DWG
lath. Take photo.	If found, fill out WAR Report. If no	ot found, set hub and	Survey B. How		OR 1		
	US State Plane 1983		C. Wrig	ht	1		
Zone: Project Datum:	Washington South 4602 NAD 1983 (Conus)		G. Kelt	y	1		
Vertical Datum:	NAVD 1988		E. Rafu	se	1		
	Geoid03						
Units:	Meters					† 	

SURVEY RESULTS AND COMMENTS

Well ID# A5742 was not found at listed coordinates: N146932.692 E568836.347 Set hub and lath. Took Photo.

NOTE: This Survey was performed under the supervision of a Licensed Professional Land Surveyor registered in the State of Washington.



Worley, Scott H

~m: Worley, Scott H

t: Friday, June 29, 2007 11:04 AM

To: Worley, Scott H; Howard, Bonnie J; Kelty, George

Cc: Weekes, David C

Subject: 199-K-24 needs Admin. Decommissioning

Per Survey Data Report and Scan Data Report for Well 199-K-24 there is no well casing at this location.

This well needs to be Adminstratively Decommissioned.

Scott Worley

HW-6.287

199-K-24

DRILLING LOG

PROJECT NO. ____

Rig Ko.	AEC 22-3127	<u></u>
_	105-K/I-2	
Driller	Gentz	

Date 12/19/52 Shift ______

Depth beginning of Shift 01

Depth completion of Shift $\frac{5\frac{1}{5}}{1}$

0.01	LLING	Co	RING	TYPE SOIL		OTHER DELAYS	<u> </u>
Time	Depth	Time	Depth		Time	Explanation	
					8:00-11:00	Setting up rig.	
:00-1:30	51	Gravel and	very little	sand.			
30-3:15	521	Drilled on					
				 			*
	 		 				
	<u> </u>		 				
	 						
	+						

REMARKS

First 5' gravel, runs from pea gravel up to 4".		Λ
	· · · · · · · · · · · · · · · · · · ·	
	1	

PROJECT NO. _____

ig-No. AEC 2 ell No. 105- riller Gentz oreman	NF-2					Date $\frac{12/21/52}{3$ Shift $\frac{5^{\frac{1}{2}}}{2}$ ing of Shift $\frac{7!}{2}$	
	LIKE		ING	TYPE SOIL			
Time	Depth		Depth :		Time	Explanation	· · ·
					8:30-11:00	Changed bits and drilled out cave in.	
1:00-3:30	71	Boulder.					

		_					<u> </u>
						·	
Hit 1	ooulder th	at is too big	to drill,	moving to new	NARKS		
					•		<u> </u>
			<u> </u>				
			<u> </u>		<u> </u>		
							······································
				,			

C

DRILLING LOG

PR	OJ	ECT	WO.	

DRILL Time	1 X G		riller Gentz Foreman			ing of Shift O! lon of Shift 14!			
Time		COL	RING	TYPE SOIL					
	Depth	Time	Depth		Time	Explanation			
1					8:00-10:30	Drilled on boulder.			
						Moved 10' west and started new hole.			
11:30-1:00	<u> </u>	Gravel and	sand.						
1:00-4:00	10'	75% sand ar		·					
4:00-6:30	141	Pea gravel	up to light.						
						Put in 14' starter pipe.			
						*			
				<u> </u>					
				<u> </u>					
			<u></u>						
				RE	MARKS				
Gravel runs f	from rea	Cravel nic to	<u>/</u> 11						
Sand is fine	gray cav	es easy.			7				
Gravel change	ed at 12'	from 4" to 1	ភ្នំ" end sma	ller		Λ			
					· · · · · · · · · · · · · · · · · · ·				

PROJECT NO. _____

ig No. AEC eli No. 10 riller Gen oreman	5-KV-2 tz					Date	
DRI	LLING	CO	RING	TYPE SOIL	OTHER DELAYS		
Time	Depth	Time	Depth -		Time .	Explanation	
s:00-9:00	151			and, gravel			
		1,410			9:00-9:30	Welding 7'6" pipe 21'6" over hole.	
9:30-1:00	201	Sand and g	avel.		1:00-1:30	Welding 7'4" pipe 28'10" over hole.	
1:30-3:15	251	90% gravel	and 10% f	ine sand.	* -		
							<u>-</u> r
	<u> </u>	,	<u> </u>	R E	MARKS_		
			·				
					•		\
							1
							
						•	

PROJECT NO.

ig No. AEC 22-3127 eli No. 105-KW-2 riller Gentz					Depth beginning of Shift 25! Depth completion of Shift 35!			
	LLING	co	RING	TYPE SOIL		OTHER DELAYS		
Time	Depth	Time	Depth		Time	Explanation		
5:30-11:30	30 !	95% gravel			11:30-12:00	Kelding 7'2" pipe 36! over hole.		
12:00-3:15	351		and 5% sand	·				
					.: .			
							ř	
				R E	MARKS			
					•			
							$\overline{}$	
· · · · · · · · · · · · · · · · · · ·							=7	

PROJECT NO.

is -Ko. AEC	22-3127					Date <u>12/27/52</u> Shift	•
(eli No10					Depth beginni	ing of Shift351	
riller <u>Gen</u> i					Depth complet	ion of Shift 501	
oreman		,	· · · · · · · · · · · · · · · · · · ·				
DRI	LLIN6	CO	RING	TYPE SOIL		OTHER DELAYS	
Time	Depth	Time	Depth .		Time.	Explanation	
7:30-11:00	401	Cogree gray	vel	<u> </u>			
					11:00-11:30	Welding 7' pipe 43' over hole.	
11:30-2:30	451	Coarse grav	wel with 25%	sand.			
<u> </u>					2:30-3:00	Welding 7:6" pipe 50'6" over hole.	
3:00-5:00	501	Coarse gra	vel with 25%	sand.			
3:00-7:00				•	5:00-7:30	Tatking the rig down and moving it	
						off of location.	
							<u> </u>
				 			
	<u> </u>			R	E M.A R K S		
							
At 40' gra	vel is coa	rse, runs fro	om an inch u	p to 4".			
45' cravel	is coarse	with 25% sand	3		•		
tell 4s 501	deer 5016	of ripe ove	er hole, Su	well.			-
. <u> 20)0_</u>							 1\
		<u> </u>					[_ _
				······································			

WESTINGHO HANFORD C				EXCAVATION PERMIT				
1. Work Package No.				of Excevetion	42 404 41			
RDICA	FY95 WELL			51B,6-86-64,6-80-62,6-43-42,6- A & B,1B <u>-92-01 through 24,1-K-</u>				
4. Originated By	<u> </u>		Date	5. Engineering Change Notice (ECV)				
D.E. SKOGLIE		0.4	/17/95	WHC-SD-EN-AP-161, Rev 0, Apper	ndix D			
6. Drawings Required	Udentification Numb		7 17 7 20	7. Other Affected Drawings or Documents				
N/A		·		WELL DECOMMISSIONING PLANNED I QUARTER FISCAL YEAR 1995 BY WI				
ADM!	DMMISSION W	CODES (WAC-173-		SE CHECKLIST AND WASHINGTON FORK WILL BE DOCUMENTED ON FIE	LD			
		iding Selety Requirements I ONDUCTED PER AN		CM-4-3, CM-8) ABLE JOB HAZARD ANALYSIS.				
•	_	ikilet (Check appropriete blo	cks to deter	mine supplemental approvals!				
Will the excevation	work:							
Yes No	ccess, pedestrian or	vehicle, to or from any are:	a or building?	(If yes, Occupational Health and Safety approval re-	quired.) Block 17			
∏ (X) be wk	hin 25 feet of the c	enter line of the railroad trac	ck? (H yes, 1	Frack Maintenance approval required.) Block 18				
IX ☐ be wit	hin the 600 Ares?	(If yes, 600 Area Landlord a	oproval requi	ired.) Block 19				
				hing equipment? (If yes, Electrical Utilities approval re	equired.) Block 20			
		-		parrier or will uncover a security system for maintenan				
(If yes	, Safeguards and Se	curity approval required.) E	Hock 21					
approv	tormed over, under, /al required.) Block	or immediately adjacent to 22	any steam, s	swer, or water utility lines? (If yes, Steem/Water Util	lities			
De pen	formed in the vicinit	y of telecommunication line	e? (If yes, iF	tM Plant Telephone approval required.) Block 23				
	formed in areae other ng approval required		dings, water	sites, and those required to remove existing surplus t	facilities? (If yes, Site			
11. List Facilities, Servic			LIAC	SUPPLEMENTAL APPROV	/ALS			
CODES.	MIET DE DE	COMMISSIONED PER	WAL	17. Occupational Health & Safety On July	4/21/95			
<u> </u>				18. Track Meintenance	Data			
12. Cultural Resources F	REQUIRED AP Review (all Packages	1 00/-	Date	N/A 19. #00/Ayes/Landlord	Date			
HCRC #95-600-0	011 & -032	01/05/F	95	KK. dents	4-24-9			
13. Occupational Health	& Salety (for W.O.	(Project Packages only)	Date	20. Electrical Utilities	Date			
N/A				N/A 21. Safeguards and Security	Date			
RWP Required Yes	□ No [X]			N/A				
4. Environmental Assur	raped (for W.O./Proj	· · ·	Date	22. Steam/Water Utilities	Date			
S.M. Mil.	mey/	4-24		N/A				
David C. S.		•	Date //7/95	23. IRM Plant Telephone (24 hours prior to stert)	Date			
6. Facility/Plant Manage	7		Date	N/A 24. Site Planning A	, Date			
N/A		······································		Effency for Sw Seiler	4/24/95			
-4.**	-, -,			<u> </u>	A-7400-373 (06			

RESOURCE PROTECTION GROUND WATER WELL STRUCTURE WELL FITNESS FOR USE CHECKLIST	L NR:199-K-24 Pg. 1 of 6
HAS A NEED FOR USE OF THE WELL BEEN IDENTIFIED AND DOCUMENTED	()
Piezometer (); Observation (); Geotechnical Test (_);
RCRA/CERCLA Monitoring Well () Other: No use de	ocumented
Reference: PNL borehole summary files. V. McGhan/WHC Append	ix .
HAS A TARGET SPECIES BEEN IDENTIFIED	()
Insufficient Data	
IS WELL PRESENTLY IN USE?	()
No use documented	
IF NOT IN USE, IS WELL CAPPED IAW WAC 173-160-085?	()
Insufficient Data	_
IS CASING SEALED IAW WAC 173-160-075?	()
Natural barriers preserved: No annular seal documented	- •.
Aquifers/strata penetrated permanently sealed: No annular seal documented	- -
Annulus sealed to prevent surface/ground water movement into or within annular space: No annular seal documented	
Grouting performed by tremmying the mixture:	-
Insufficient Data	_
Casing overlap more than 8 ft.; packed and grouted: <u>Not</u>	
Applicable	_
DESIGN/CONSTRUCTION IAW WAC 173-160-500	()
Saturated formations/aquifers not connected: No water	<u></u>
documented in Driller's Log.	-

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RESOURCE PROTECTION GROUND WATER WELL STRUCTURE FITNESS FOR USE CHECKLIST	NR:199-K-24 Pg. 2 of 6
Cuttings/development water handled IAW WAC 173-303:	_
Not Applicable	_
Well properly identified:	_
Field inspection required	-
SURFACE PROTECTION IAW WAC 173-160-510?	()
Well capped and protected: <u>Insufficient Data</u>	_
Posts, pad or cover installed: <u>Insufficient Data</u>	-
Protection waived or variance obtained: <u>Insufficient Data</u>	. -
Existing protection damaged: Field Inspection required :	· •-
CASING MATERIALS IAW WAC 173-160-520?	- ()
Casing nonreactive & does not affect/interfere with chemical, physical, radiological or biological constituents of interests	s:
Insufficient data	_
Casing conforms to ASTM Standards, or at least 304 or 316 stainless steel, PTFE, or Schedule 40 PVC. Joints are not glued: Insufficient Data	-
DRILL RIG, DRILLING EQUIPMENT CLEANED IAW WAC 173-160-530?	- ()
Drill rig/equipment casing/screen cleaned before drilling or installation: <u>Insufficient Data</u>	

`.**-**



RESOURCE PROTECTION GROUND WATER WELL STRUCTURE WELL FITNESS FOR USE CHECKLIST	NR:199-K-24 Pg. 3 of	6
Filter pack cleaned before installation, material compatible: Not applicable	_	
IS ELEVATION OF DRILLING DEPTH AND DEPTH TO WATER MEASURED FROM GROUND SURFACE? Drilling depth measured from ground surface		_)
RCRA/CERCLA MONITORING WELL		
DOES WATER SAMPLE FROM VERTICAL SCREENED INTERVAL REPRESENT HORIZONTAL STRATIGRAPHY Screened interval documented: No screen or perforations	<u></u>	.)
Lithology documented: <u>Driller's Log</u> No water level was documented		
DESIGN & CONSTRUCTION IAW WAC 173-160-540 & WAC 173-16-550? Screen commercially fabricated of material nonreactive to subsurface conditions: Not applicable	(.)
If filter pack installed, extends from bottom of screen to at least 3 ft. above screen: Not Applicable	 : 	
Well has been developed to assure continuity: <u>Insufficient</u> Data	· · · · · · · · · · · · · · · · · · ·	



RESOURCE PROTECTION FITNESS FOR USE CH	ON GROUND WATER WELL RECKLIST	STRUCTURE	WELL NR:199-K-24 Pg. 4 of 6
		bentonite/cement mixt	
		ant: <u>Insufficient Dat</u>	
DOES WATER SAMPLE	MEET ESTABLISHED AC	CEPTANCE CRITERIA?	()
Sample is less	than 5 NTU and sand	free: <u>Insufficient d</u>	ata
IS PUMP LOCATION I	OCUMENTED?		()
Insuffic	ient data		,
DATA SOURCES USED:	:		
DRILLER'S LOG I	By: <u>Gentz</u>	Dates C	overed <u>12/22-12/27/52</u>
REMEDIATION BY	Not Applicable	Dates C	overed
Drilling Contra	ctor: <u>Insufficient</u>	Data	
GEOLOGIC LOG By	: Not Applicable	Dates	Covered
PUBLICATIONS:			
Title, Author, Dai	e: <u>Not applicable</u>		
GEOPHYSICAL AND	BOREHOLE TELEVISIO	N LOGS:	
Type: Not Appli	cable By:	Span:	Date:
Туре:	By:	Span:	
Туре:	By:	Span:	Date:
Туре:	By:	Span:	Date:



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RESOURCE PROTECTION GROUND WATER WELL STRUCTURE FITNESS FOR USE CHECKLIST	WELL NR:199-K-24 Pg. 5 of 6
CHEMICAL/RADIONUCLIDE WATER SAMPLE ANALYSES REPORTS:	
Title, Author, Date: <u>Not Applicable</u>	
Title, Author, Date:	
GROUND WATER WELL SAMPLING AND MEASUREMENT SCHEDULES:	
Title, Author, Date: Not Applicable	
Title, Author, Date:	***************************************
FIELD CHECK:	
By: To be done by Westinghouse Date:	
OTHER:	•
STATUS DETERMINATION:	
Well is acceptable for intended use	()
Well is acceptable for intended use if variance granted	()
Maintenance required to continue intended use	()
Remediation required to achieve intended use	()
Decommission, well is unneeded, or cannot be remediated	
Other	,

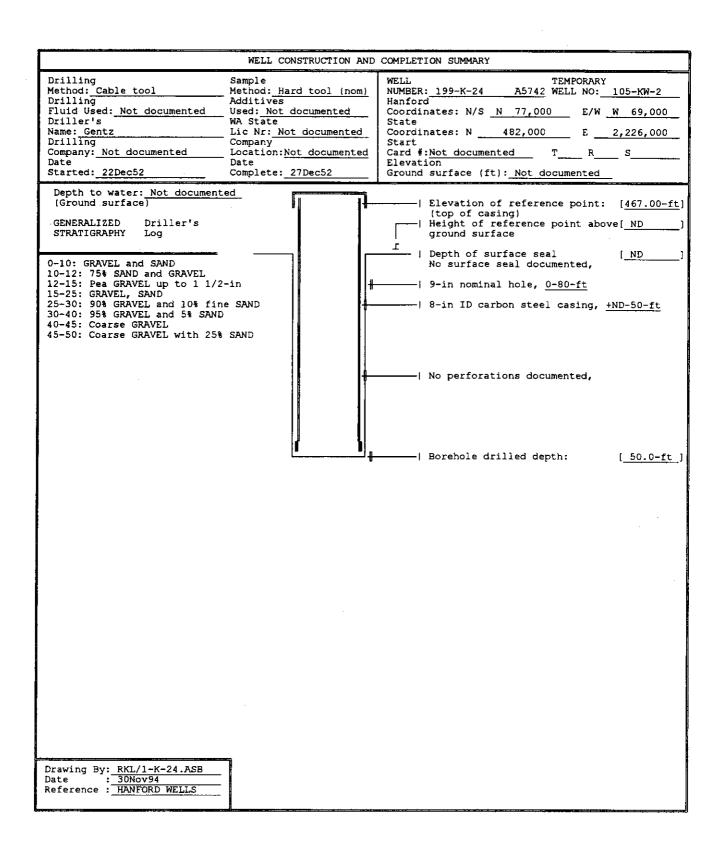
^{*} There is no documented use for the well. Insufficient data exists regarding well design, construction techniques, and materials employed. There is no documentation on the presence of an annular seal or of a water table penetrated by the well. The well is not suitable for legally defensible chemical analysis; decommissioning of the well is recommended.



RESOURCE PROTECTION GROUND WATER WELL FITNESS FOR USE CHECKLIST	STRUCTURE	WELL NR:199-K-24 Pg. 6 of 6
STATUS DETERMINATION MADE BY: Name: John V. Wozniewicz	Title: Hydrologis	t Nate: 9/1/89
DETERMINATION REVIEWED BY:		
Name: Jana la St. Innis	Title: Engineer	Date: 10/19/89
DETERMINATION ACCEPTED BY USER:		
Name:	Title:	Date:
Name:	Title:	Date:

7 . 1 .





SUMMARY OF CONSTRUCTION DATA AND FIELD OBSERVATIONS RESOURCE PROTECTION WELL - 199-K-24

WELL DESIGNATION 199-K-24 CERCLA UNIT :
RCRA FACILITY :
HANFORD COORDINATES :
LAMBERT COORDINATES :

100-KR-1 100-KR-1 Not Applicable N 77,000 W 69,000 [HANFORD WELLS] N 482,000 E 2,226,000 [HANCONV]

DATE DRILLED DEPTH DRILLED 50-ft

Not documented Not documented

8-in ID carbon steel, +ND-50-ft 467.00-ft, [HANFORD WELLS]

DEPTH DRILLED (GS):
MEASURED DEPTH (GS):
DEPTH TO WATER (GS):
CASING DIAMETER:
ELEV TOP CASING:
ELEV GROUND SURFACE:
PERFORATED INTERVAL:
SCREENED INTERVAL: Not documented
None documented
Not applicable
No FIELD INSPECTION, - unable to locate

COMMENTS

OTHER: Driller

AVAILABLE LOGS TV SCAN COMMENTS DATE EVALUATED EVAL RECOMMENDATION Not applicable Not applicable
Not applicable
None - unable to locate
None documented

LISTED USE CURRENT USER

PUMP TYPE MAINTENANCE None documented A 5742



Pacific Northwest Laboratories
Battelle Boulevard
P.O. Box 999
Richland, Washington 99352
Telephone (509) 372-1791

March 23, 1995

No Known Historic Properties

Mr. D. Skoglie Westinghouse Hanford Company Well Services P. O. Box 1970/N3-05 Richland, WA 99352

Dear Mr. Skoglie:

CULTURAL RESOURCES REVIEW OF THE FY95 CORING TEST PROJECT. HCRC #95-1100-004.

in response to your request received March 20, 1995, staff of the Hanford Cultural Resources Laboratory (HCRL) conducted a cultural resources review of the subject project, located southwest of the 1100 Area of the Hanford Site. According to the information that you supplied, the project entails drilling several borings to test coring techniques in the Ringold Formation. Borings will range from 50' to 170' in depth. The well locations will be approximately 200' by 200'.

Our literature and records review shows that the project area has been at least somewhat disturbed by previous Hanford Site activities. A visit to the project area on March 22, 1995 confirmed heavy disturbance in the coring locations caused by work at an existing gravel pit. It is very unlikely that any archaeological materials exist in such disturbed ground. Survey and monitoring by an archaeologist are not necessary.

It is the finding of the HCRL staff that there are no known cultural resources or historic properties within the proposed project area. The workers, however, must be directed to watch for cultural materials (e.g., bones, artifacts) during all work activities. If any are encountered, work in the vicinity of the discovery must stop until an HCRL archaeologist has been notified, assessed the significance of the find, and, if necessary, arranged for mitigation of the impacts to the find. The HCRL must be notified if any changes to project location or scope are anticipated. This is a Class III case, defined as a project which involves new construction in a disturbed, low-sensitivity area.

Copies of this letter have been sent to Dee Lloyd, DOE, Richland Operations Office, as official documentation. If you have any questions, please call me at 372-1791. Please use the HCRC# above for any future correspondence concerning this project.

Concurrence:

Very truly yours,

M.E. Get

Technical Specialist

Cultural Resources Project

cc: D. Lloyd, RL (2)

T. Clark File/LB

P. R. Nickens, Project Manager

Cultural Resources Project

A5742

Mr. Dave Skoglie March 23, 1995 Page 2



Copies of this letter have been sent to Dee Lloyd, DOE, Richland Operations Office, as official documentation. If you have any questions, please call me at 372-1791. Please use the HCRC# above for any future correspondence concerning this project. Thank you for your assistance with this project.

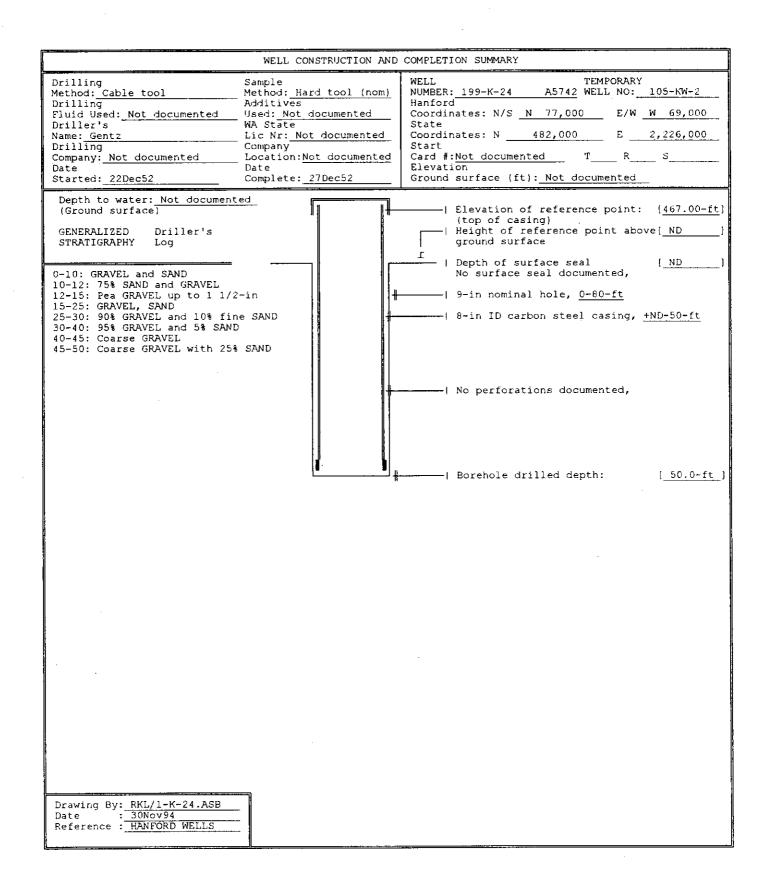
Very truly yours,

M. E. Gist

M. E. Crist Technical Specialist Cultural Resources Project

cc: D. Lloyd, RL (2) T. Clark File/LB Concurrence:

P. R. Nickens, Project Manager Cultural Resources Project



SUMMARY OF CONSTRUCTION DATA AND FIELD OBSERVATIONS RESOURCE PROTECTION WELL - 199-K-24

WELL DESIGNATION 199-K-24 CERCLA UNIT 100-KR-1 Not Applicable N 77,000 W RCRA FACILITY

HANFORD COORDINATES : LAMBERT COORDINATES : 69,000 [HANFORD WELLS]

N 482,000 E 2,226,000 [HANCONV]

DATE DRILLED Dec52 DEPTH DRILLED 50-ft

MEASURED DEPTH (GS) DEPTH TO WATER (GS) Not documented Not documented

CASING DIAMETER 8-in ID carbon steel, +ND-50-ft 467.00-ft, [HANFORD WELLS]

ELEV TOP CASING : ELEV GROUND SURFACE : Not documented PERFORATED INTERVAL : SCREENED INTERVAL : None documented

Not applicable
No FIELD INSPECTION, - unable to locate COMMENTS

OTHER:

AVAILABLE LOGS TV SCAN COMMENTS Driller Not applicable DATE EVALUATED Not applicable EVAL RECOMMENDATION :

Not applicable
None - unable to locate
None documented LISTED USE

CURRENT USER PUMP TYPE None documented MAINTENANCE

199-K-55 A5762

A5762

WELL ATTRIBUTES REPORT

WELL ID	A5762		NORTHING	147409.492	FIELD ORDER NO		
WELL NAME	199-K-55		EASTING	569643.714	LAST INSPECTION		201
HOST WELL ID		·	ELEVATION	135.856	CONST DATE	1/1/10	,O1
GW OPERABLE UNIT	100-KR-4		DRILL DATE	1/1/1801	CONST DEPTH		
PROGRAMS			Product DATE	1/1/1001	CONST DEFIN	-	
WASTE SITES 50FT	100-K-56						·
WM PLAN(S)							
WASTE STORAGE(S)	- ,.				···		
		· · · · · · · · · · · · · · · · · · ·				~~~	
	SPECTION INF				URRENT INSPECTION IN	VFORMATIO	ON
WELL PAD		L YES		WELL PAD		YES [NO
BRASS SURVEY MARKER		L YES	□ NO ☑ ND	BRASS SURVEY	MARKER	YES	NO
MARKER STAMPED WITH		YES	□ NO ☑ ND		PED WITH SURVEY DATA	YES [NO
MARKER STAMPED WITH		YES	□ NO 🗹 ND	MARKER STAM	PED WITH WELL ID DATA	YES [NO
WELL LABELED WITH W		YES	□ NO 🗹 ND	WELL LABELED	WITH WELL ID	YES [NO
WELL LABELED WITH W	ELL NAME	L YES	□ NO 🗹 ND		WITH WELL NAME	YES [NO
PROTECTIVE POSTS		YES	□ NO 🗹 ND	PROTECTIVE P		YES [NO
REMOVABLE POST IN PL	ACE	YES	□ NO 🗹 ND	REMOVABLE PO	OST IN PLACE	YES [NO
WELL LOCK		YES	□ NO 🗹 ND	WELL LOCK		YES [NO
WELL DAMAGED		YES	□ NO 🗹 ND	WELL DAMAGE	D	YES	NO
WELL IS DRY		YES	□ NO 🗹 ND	WELL IS DRY		YES [NO
PARTED CASING		YES	□ NO 🗹 ND	PARTED CASIN	G	YES [NO
BENTONITE IN WELL		☐ YES	□ NO 🗹 ND	BENTONITE IN	WELL	YES [NO
WELL SANDED IN		YES	□ NO 🗹 ND	WELL SANDED	IN	YES [NO
COLLAPSED CASING		YES	□ NO 🗹 ND	COLLAPSED CA	SING	YES [NO
EQUIPMENT IN WELL		YES	□ NO ✓ ND	EQUIPMENT IN	WELL	YES	NO
DEBRIS IN WELL		YES	□ NO ✓ ND	DEBRIS IN WEI	Ц	YES	NO
SURFACE EROSION		☐ MAJ	OR V ND	SURFACE EROS	SION	MAJOR	3.00
		☐ MIN	OR			☐ MINOR	
		☐ NON	E			NONE	
LAST	PUMP INFORM	IATION			CURRENT PUMP INFOR		
PUMP ACTIVITY PERFOR	MED	☐ INST	ALLED V ND	PUMP ACTIVITY		INSTAL	LED
!		☐ INSP	ECTED			INSPEC	
		■ NON	E			NONE	
		REM	OVED			REMOVE	FD
		REPL	ACED			REPLAC	
		REPA	VIRED			REPAIR	
ACTIVITY PEFORMED BY				ACTIVITY PEFO	RMED BY		
DATE ACTIVITY PERFOR	MED		 ,	DATE ACTIVITY			
PUMP IN WELL		YES	NO ₩ ND	PUMP IN WELL		☐ YES ☐	NO
PUMP TESTED		YES	□ NO ☑ ND	PUMP TESTED		YES	NO
NEW PUMP		YES	□ NO ✓ ND	NEW PUMP		YES	NO
PUMP TYPE				PUMP TYPE			
PUMP MAKE				PUMP MAKE			
PUMP MODEL				PUMP MODEL			
PUMP INTAKE DEPTH (ft))			PUMP INTAKE D	DEPTH (ft)		
LAST 1	TUBING INFOR	MOITAN			CURRENT TUBING INFO	RMATION	
TUBING SIZE (in)				TUBING SIZE (if			
TUBING MATERIAL	~		"	TUBING MATER	·		
TUBING LENGTH (ft)				TUBING LENGTI			
TUBING CONNECTION				TUBING CONNE	· · ·		
	SUREMENT INFO	ORMATI	ON		RENT MEASUREMENT IN	FORMATIO	- N
DEPTH TO WATER(ft)				DEPTH TO WAT		OKMALIU	110
DEPTH TO WATER DATE				DEPTH TO WAT			
DEPTH TO BOTTOM(ft)				DEPTH TO BOTT	····		
DEPTH TO BOTTOM DATE	<u> </u>			DEPTH TO BOTT			
STICK UP(ft)	-			STICK UP(ft)	OH DATE		<u></u>
REFERENCE MARK(ft)					DV(A)		
REFERENCE MARK IS TO	-	YES	NO PAR	REFERENCE MAI		<u> </u>	
THE FUNCTION INVITED IN	-	163	NO ✓ ND	REFERENCE MAI	KN 15 TUC :	YES	(NC)

WELL ATTRIBUTES REPORT

WELL ID	2	A5762	NORTHING	FIELD OR				
WELL NAME			EASTING	569643.714	LAST INS	PECTION	1/1/180	1
HOST WELL ID			ELEVATION	135.856	CONST D	CONST DATE		
GW OPERABLE UNIT 100-KR-4 PROGRAMS		100-KR-4	DRILL DATE	1/1/1801	CONST DI	DEPTH		 .
		-						- "
WASTE SITES	50FT _	100-K-56		Tr. va.				
WM PLAN(S)								
WASTE STORA	GE(S)					···.		
			WELL ATTR	IBUTE COMME	NTS			
			CASING :	INFORMATION		_		
SIZE/UNITS	TOP/BC	T/UNITS	MATERIAL	TYPE	CONNECTION	THICKNES	S/UNITS	REMOVED
ı								
CHANGES								
			SCREEN 1	INFORMATION				
CHANGES SIZE/UNITS	ТОР/ВО	OT/UNITS	SCREEN I		TYPE	SLOT SIZE	E/UNITS	REMOVED
SIZE/UNITS	ТОР/ВО	OT/UNITS				SLOT SIZE	E/UNITS	REMOVED
CHANGES SIZE/UNITS CHANGES	ТОР/ВО	OT/UNITS				SLOT SIZE	E/UNITS	REMOVED
SIZE/UNITS	ТОР/ВО	OT/UNITS	MATERIAL	7	TYPE	SLOT SIZE	E/UNITS	REMOVED
SIZE/UNITS CHANGES			MATERIAL		TYPE	SLOT SIZE	E/UNITS	REMOVED
SIZE/UNITS			MATERIAL	ON INFORMATI	TYPE	SLOT SIZE	E/UNITS	REMOVED
SIZE/UNITS CHANGES			MATERIAL PERFORATION	ON INFORMATI	TYPE	SLOT SIZE	E/UNITS	
SIZE/UNITS CHANGES CASING SIZ			MATERIAL PERFORATION	ON INFORMATI	TYPE	SLOT SIZE	E/UNITS	
SIZE/UNITS CHANGES			MATERIAL PERFORATION	ON INFORMATI	TYPE	SLOT SIZE	E/UNITS	
SIZE/UNITS CHANGES CASING SIZ			MATERIAL PERFORATION	ON INFORMATI	TYPE	SLOT SIZE	E/UNITS	

ND* - Not Documented

9/1/2007

WELL NAME		• • • • • • • • • • • • • • • • • • • •		· · · · · · · · · · · · · · · · · · ·		PERF/SCREEN			COMMENTS		33
WELL T PUMP T			WELL DIAM DATE COMPL	COMPL_DEPTH DEPTH_WATER	TYPE DIAM	TOP	вот	PREVIOUS WELL NAMES			
99-K-50 AB				_				SEE UNI-946 REPORT FOR SULTS 116-K-2 I	RAD.	RE-	
99-K-51 AB								SEE UNI-946 REPORT FOR SULTS 116-K-2 J	RAD.	RE-	
99-8-52 P	Hanford \NL-8800							SEE UNI-946 REPORT FOR SULTS 116-K-2 K	RAD.	RE-	
M. A.	Chamness & August I	& J. K. Merz	r					SEE UNI-946 REPORT FOR SULTS 116-K-2 L	RAD.	RE-	
Contra	ct DE-AC06	i-76RLO 1830 le Memorial Insti						SEE UNI-946 REPORT FOR SULTS 116-K-2 M	RAD.	RE-	
99-K-55 AB			·····					SEE UNI-946 REPORT FOR SULTS 116-K-2 N	RAD.	RE-	
99-K-56 AB								SEE UNI-946 REPORT FOR SULTS 116-K-2 O	RAD.	RE-	
99-K-57 AB								SEE UNI-946 REPORT FOR SULTS 116-K-2 P	RAD.	RE-	
99-K-58 AB								SEE UNI-946 REPORT FOR SULTS 116-K-2 Q	RAD.	RE-	
.99-K-59 AB								SEE UNI-946 REPORT FOR SULTS 116-K-2 R	RAD.	RE-	
99-K-60 A B								SEE UNI-946 REPORT FOR SULTS 116-K-2 S	RAD.	RE-	
								SEE UNI-946 REPORT FOR			

ge 1 of 1

Query HWIS again

WIS Interface - Survey Information - Horizontal

	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS	QUALIFIER
\5762	199-K-55	UNKNOWN	NAD83	+ 11 + 11 - 1	CONVERTED		569643.714	m	

SURVEY DATA REPORT							
Project No. Title: Well Decommissioning: A5762						File No. 1KT13R26	
Job No. 65400811.122540	Prepared By Tim Johnson						
	DESCRIPTION OF WORK				SDR	PLOT	DWG
Locate well A576	2. If found, fill out WAR Report. If r	not found, set hub and	Survey	File	OR		
lath. Take photo.	•		B. Hov	vard	1		
•	n: US State Plane 1983		C. Wri	C. Wright			
Zone: Project Datum:	Washington South 4602 NAD 1983 (Conus)		G. Kelt	G. Kelty			
Vertical Datum: NAVD 1988			E. Rafi	ise	1		
Geoid Model:	Geoid03						
Units:	Meters	,					

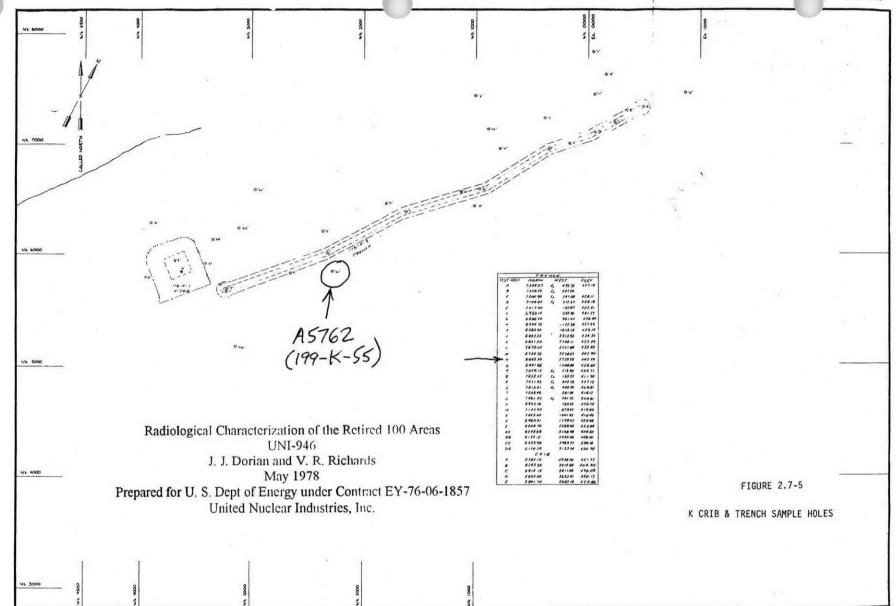
SURVEY RESULTS AND COMMENTS

Well ID# A5762 was not found at listed coordinates: N147409.5 E569643.7 Set hub and lath. Took Photo.

NOTE: This Survey was performed under the supervision of a Licensed Professional Land Surveyor registered in the State of Washington.

	Request No. 072-235	:						
Project No.:	SCAN: Well Decommissioning / Well A5762						File No. : 100K-001	
Job No.: 65400811,1225400/CA10	Prepared by: S. Wray				Date: 3/28/07		Henke	Page 1 of 1
DESCRIPTION OF WORK:				DISTRIB	UTION	SDR	SKETCH	DWG
Perform ground scan at staked lo	cation of Well A 5762			Survey Fi	le	OR	OR	
I oriorni ground soun di stanca io	outon or won respect			B.J. Howa	ard	1		
				E.C. Rafu	se	1		
				G.G. Kelt	y	1		
				C.S. Wrig	ht	1		
					<u></u>	 		
DATE OF FIELD INVESTIGA	ATION: 3/28/07			<u> </u>		<u>t. </u>		
Weather: Temp 50°F	Wind 5 MPH	Soil Condition	ns: 🛛	Rocky	Sa	ndy [Wet D	Dry
Cloudy Clear	P. Cloudy Fog	Depth of Inve	estigation	6	feet			
Equipment Used:		<u> </u>		d Functiona Completed	l Checks			
50/60 Hz detector (for e	nergized lines)							
x Radio Frequency Electr	omagnetics (RF)		×					
x Ground Penetrating Rad	lar (GPR)		\boxtimes					
Other (identify)								
GPR Antenna(s) Used:	1000 MHz	500	MHz		400 M	Hz	300	MHz
Documentation Provided: NONI	3					*************************************		
Limits of Investigation: 20 ft squ	nare area around staked w	ell location.					 	
EQUIPMENT LIMITATIONS	d:			···-··································				
1. Objects made of concrete, cl	ay pipe, PVC pipe, and fi	berglass pipe	are gener	ally not det	ectable.			
2. The transducers have a horiz 500 MHz is within 1 ft. of an 3 ft. of an existing structure.								
Discussion of Findings:				, , , ,				
No evidence of well casing detec	ted in scan area.							
•								
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199-K-77 A5784

199-K-77 A5784

WELL ATTRIBUTES REPORT

hannin a felia.	.==0.4					· · · · · · · · · · · · · · · · · · ·		
WELL ID	A5784		NORTH		146828.278	FIELD ORDER NO		
WELL NAME	199-K-77		EASTI		569116.202	LAST INSPECTION	1/1/	1801
HOST WELL ID	+00 KD 4		ELEVA"		141.054	CONST DATE		
GW OPERABLE UNIT PROGRAMS	100-KR-4		DRILL	DAIL	1/1/1801	CONST DEPTH		
WASTE SITES 50FT	100-K-56							
WM PLAN(S)	100-K-20				-			
WASTE STORAGE(S)								
WASIE STORAGE(S)					·			
	SPECTION INFO	DRMAT	ION		Cl	JRRENT INSPECTION II	NFORMAT	TION
WELL PAD		YES	S NC		WELL PAD		YES YES	□ NO
BRASS SURVEY MARKER		YE!	S NC	₩ ND	BRASS SURVEY	' MARKER	YES	□ NO
MARKER STAMPED WIT	H SURVEY DATA	YE		₩ ND	MARKER STAM	PED WITH SURVEY DATA	YES	☐ NO
MARKER STAMPED WIT	H WELL ID DATA	YE	_=_		MARKER STAM	PED WITH WELL ID DATA	☐ YES	□ NO
WELL LABELED WITH W	ELL ID	YE	S NO	✓ ND	WELL LABELED	WITH WELL ID	YES	☐ NO
WELL LABELED WITH W	ELL NAME	YE!	S NO		WELL LABELED	WITH WELL NAME	YES	□ NO
PROTECTIVE POSTS		YE		_=_	PROTECTIVE P	OSTS	YES	□ NO
REMOVABLE POST IN PI	ACE	YES		_==-	REMOVABLE PO	OST IN PLACE	☐ YES	NO NO
WELL LOCK		YES	_=		WELL LOCK		YES	<u></u> NO
WELL DAMAGED		YES			WELL DAMAGE	D	☐ YES	NO
WELL IS DRY		YES	=	_=	WELL IS DRY		☐ YES	∐ NO
PARTED CASING		YES			PARTED CASIN	G	U YES	NO
BENTONITE IN WELL		L YES			BENTONITE IN	· · · · · · · · · · · · · · · · · · ·	☐ YES	NO NO
WELL SANDED IN		YES			WELL SANDED	IN	YES	∐ NO
COLLAPSED CASING		YES			COLLAPSED CA		YES	<u> </u>
EQUIPMENT IN WELL		YES			EQUIPMENT IN	i	☐ YES	∐ NO
DEBRIS IN WELL		YES			DEBRIS IN WEL		YES	□ NO
SURFACE EROSION			JOR	✓ ND	SURFACE EROS	ION	MAJ(
		=	NOR				∐ MIN	
145		∐ NO					∐ NON	
PUMP ACTIVITY PERFORM	T PUMP INFORM		TALLED	₩ ND	PUMP ACTIVITY	CURRENT PUMP INFO		
POMP ACTIVITY PERFOR	KINED	=	SPECTED	W IND	POMP ACTIVITY	T PERPORMED	=	alled Ected
							☐ NON	
			MOVED					_
		_	PLACED				=	OVED
			PAIRED					ACED
ACTIVITY PEFORMED BY	,	KE	PAIRED		ACTIVITY PEFO	DMED BV	L REPA	UKED
DATE ACTIVITY PERFOR					DATE ACTIVITY			
PUMP IN WELL	(I-ILD	YES		☑ ND	PUMP IN WELL	PERFORMED	YES	
PUMP TESTED		YES		✓ ND	PUMP TESTED		YES	□ NO
NEW PUMP		YES	_ ·	✓ ND	NEW PUMP		YES	□ NO
PUMP TYPE		, , _		<u>V</u> 142	PUMP TYPE			
PUMP MAKE					PUMP MAKE			
PUMP MODEL	*****			<u> </u>	PUMP MODEL			
PUMP INTAKE DEPTH (fi	t)				PUMP INTAKE D	DEPTH (ft)		
·····	TUBING INFOR	MATIO	N			CURRENT TUBING INFO	RMATIO	N
TUBING SIZE (in)					TUBING SIZE (in			
TUBING MATERIAL					TUBING MATER		-	
TUBING LENGTH (ft)					TUBING LENGT			
TUBING CONNECTION					TUBING CONNE			
 	SUREMENT INF	ORMAT	TON			RENT MEASUREMENT I	NFORMA"	TION
DEPTH TO WATER(ft)					DEPTH TO WAT			
DEPTH TO WATER DATE					DEPTH TO WAT			1 1
DEPTH TO BOTTOM(ft)			· · · · · · · · · · · · · · · · · · ·		DEPTH TO BOT			
DEPTH TO BOTTOM DAT	ΓE	· ···			DEPTH TO BOT			1 1
STICK UP(ft)					STICK UP(ft)			
REFERENCE MARK(ft)		<u> </u>			REFERENCE MA	RK(ft)		
REFERENCE MARK IS TO	x	YES	NO	₩ ND	REFERENCE MA		YES	□ NO

WELL ATTRIBUTES REPORT

WELL NAME		NORTHING	146828.278	FIELD OR	DEIX MO		
	199-K-77	EASTING	569116.202	LAST INSI	PECTION	1/1/180	1
HOST WELL ID		ELEVATION	141.054	CONST DA	NTE		_
GW OPERABLE UNIT	100-KR-4	DRILL DATE	1/1/1801	CONST DE	PTH		
PROGRAMS							
WASTE SITES 50FT	100-K-56						
WM PLAN(S)		·					
WASTE STORAGE(S)					· ·		
		WELL ATTR	IBUTE COMMEN	TS			
			INFORMATION				
SIZE/UNITS TOP/	BOT/UNITS	MATERIAL	TYPE	CONNECTION	THICKNES	S/UNITS	REMOVED
	 	SCREEN	INFORMATION			• • • • • • • • • • • • • • • • • • • •	
SIZE/UNITS TOP/	BOT/UNITS	MATERIAL	T	YPE	SLOT SIZE	E/UNITS	REMOVED
SIZE/UNITS TOP/	BOT/UNITS	MATERIAL	T	YPE	SLOT SIZE	E/UNITS	REMOVED
	BOT/UNITS	MATERIAL	Т	YPE	SLOT SIZE	E/UNITS	REMOVED
	BOT/UNITS		ON INFORMATIO		SLOT SIZI	E/UNITS	REMOVED
CHANGES CASING SIZE/UN			ON INFORMATIO			E/UNITS	REMOVED

ND* - Not Documented 9/1/2007 DACE 2 of 2

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4.

WELL NAME	COORDINATES		DRILL_DEPTH COMPL_DEPTH	PERF/SCREEN		COMMENTS	PAGE	35
WELL TYPE PUMP TYPE		PLANT WELL_DIAM IS/EW DATE_COMPL	DEPTH_WATER		TOP 1	BOT PREVIOUS WELL NA	Mes	
	ord Wells 0 UC-903					SEE UNI-946 REPOR SULTS 116-K-1 C	RT FOR RAD.	RE-
M. A. Chamne Augu	ss & J. K. Mei ist 1993				e.	SEE UNI-946 REPO SULTS 116-K-1 D	RT FOR RAD.	RE-
Prepared for U. S. Contract DE-A Pacific NW Lab by Ba	C06-76RLO 18:	30				SEE UNI-946 REPO SULTS 116-K-1 E	RT FOR RAD.	RE-
199-K-77 AB				· · · · · · · · · · · · · · · · · · ·		SEE UNI-946 REPO SULTS 116-KE A	RT FOR RAD.	RE-
199-K-78 AB			-			SEE UNI-946 REPO SULTS 116-KE B	RT FOR RAD.	RE-
199-K-79 AB						SEE UNI-946 REPO SULTS 116-KE C	RT FOR RAD.	RE-
199-K-80 AB						SEE UNI-946 REPO SULTS 116-KE D	RT FOR RAD.	RE-
199-K-81 AB						SEE UNI-946 REPO SULTS 116-KE E	RT FOR RAD.	RE-
199-K-82 AB						SEE UNI-946 REPO SULTS 116-KE F	RT FOR RAD.	RE-
199-K-83 AB						SEE UNI-946 REPO SULTS 116-KE G	RT FOR RAD.	RE-
199-K-84 AB						SEE UNI-946 REPO SULTS 116-KE H	RT FOR RAD.	RE-
199-K-85 AB						SEE UNI-946 REPO SULTS 116-KE I	RT FOR RAD.	RE-

Coordinate Transformation Report

3/9/2006

Input Data

Input Local Coordinate Source:

Document

Known WCS Coordinate Source:

Target Point:	Input Easting:	Input Northing:	Known WCS Easting:	Known WCS Northing:
Α	-4686.120	4945.280	0.000	0.000

Calculation Section

The Three Nearest Reference Points From Target: A

Using Reference Table: 100K

Reference Points:	Reference East/West (Local):	Reference North/South (Local):	Reference Easting (WCS):	Reference Northing (WCS):	Distance (Target Point To Reference Point) In Feet:
199-K-32B	-4723.630	5616.260	569012.400	147004.810	672.028
100-K-2	-5355.000	4132.000	569049.052	146514.684	1053.008
199-K-32A	-4686.520	5604.020	569024.150	147006.680	658.740

Angles

 Angle A:
 Angle B:
 Angle C:
 Minimum Angle:

 94.790
 1.380
 83.830
 1.380

Three Point Affine Transformation Coefficients

A: B: C: D: E: F: 2.705261e-001 -1.397694e-001 5.710752e+005 1.397050e-001 2.707885e-001 146143.906

Local Coordinates Transformed:

569116.330 146828.357

Two Point Uniform Scaling Transformation Coefficients

A: B: C: F: 2.705710e-001 -1.396332e-001 5.710747e+005 146144.789

Local Coordinates Transformed:

569116.240 146828.500

Summary Report Input Input **Transformation** Transformed Transformed East/West North/South Value: Value: Model: Northing: **Point Name:** Easting: -4686,120 4945,280 2-pt 569116.240 146828.500 Α

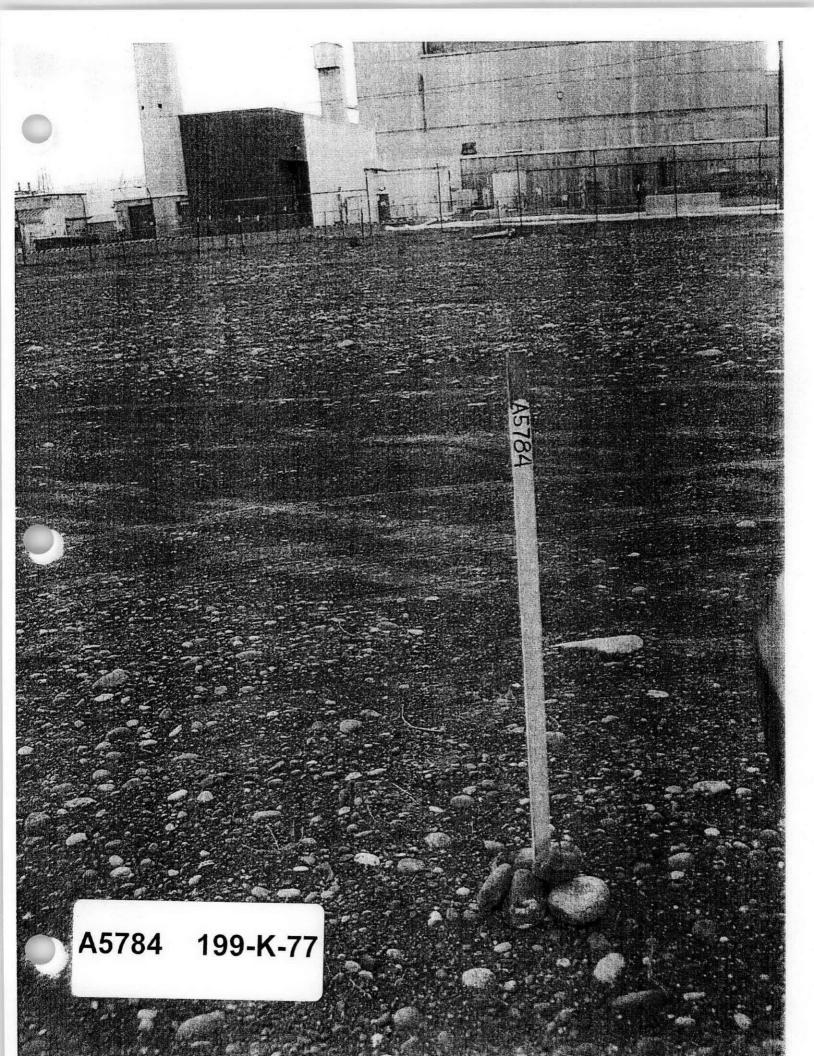
	SURVEY DATA	REPORT				quest No. 2-135	
Project No.	Title: Well Decommissioning: A578	34				e No. T13R26	
65400811.1225400	Prepared By Tim Johnson	Date 3/27/200	7	Reviewer	Ho.	nka	Page 1 of 2
	DESCRIPTION OF WORK		DISTRI	BUTION	SDR	PLOT	DWG
lath. Take photo.	If found, fill out WAR Report. If not: US State Plane 1983 Washington South 4602 NAD 1983 (Conus) NAVD 1988 Geoid03 Meters	found, set hub and	Survey B. How C. Wrig G. Kelt E. Rafu	ard ht	OR 1 1 1 1 1 .		

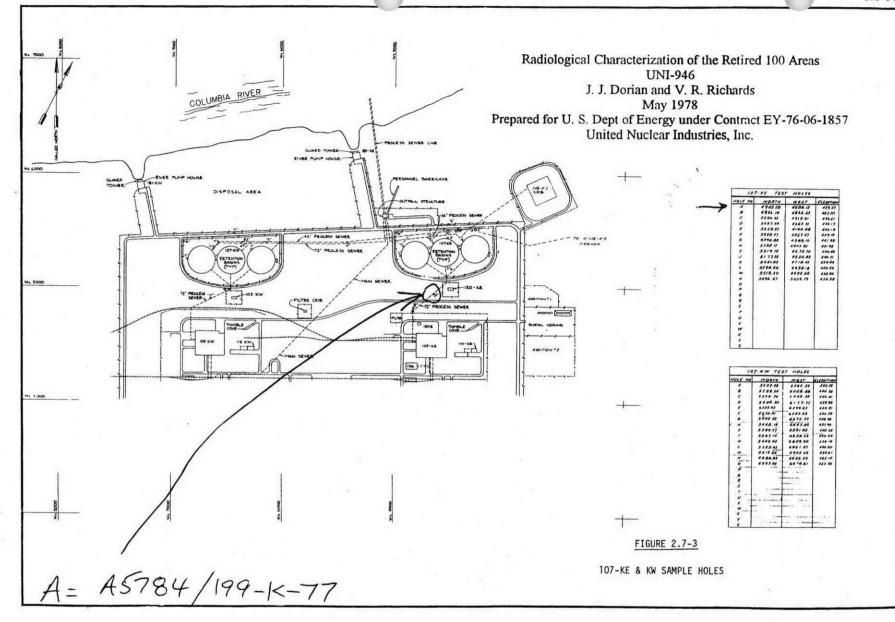
SURVEY RESULTS AND COMMENTS

Well ID# A5784 was not found at listed coordinates: N146828.3 E569116.2 Set hub and lath. Took Photo.

NOTE: This Survey was performed under the supervision of a Licensed Professional Land Surveyor registered in the State of Washington.

S. Wray 3/27/07 1 of		SCAN DATA I	REPORT				Request No. 072-235	
S. Wray 3/27/07 1 of	-	1	issioning / W	ell A5784			1	
Perform ground scan at staked location of Well A5784 Survey File OR OR B.J. Howard 1 E.C. Rafuse 1 G.G. Ketty 1 C.S. Wright 1 C.S. Wrig		(-			J	Reviewo		Page 1 of 1
Perform ground scan at staked location of Well A5784 B.J. Howard 1 E.C. Rafusc 1 G.G. Kelty 1 C.S. Wright 1 C.S. Wright	DESCRIPTION OF WORK:	<u></u>			DISTRIBUTION	N SDR	SKETCH	DWG
B.J. Howard 1 E.C. Rafuse 1 G.G. Kelty 1 C.S. Wright 1	Perform ground scan at staked lo	ocation of Well A5784			Survey File	OR	OR	
DATE OF FIELD INVESTIGATION: 3/27/07 Weather: Temp 50°F Wind 5 MPH Soil Conditions:					B.J. Howard	. 1		
DATE OF FIELD INVESTIGATION: 3/27/07 Weather: Temp_50°F Wind 5 MPH Cloudy Fog Depth of Investigation 6 feet Equipment Used: Required Functional Checks Current/Completed					E.C. Rafuse	1		
DATE OF FIELD INVESTIGATION: 3/27/07 Weather: Temp 50°F Wind 5 MPH Depth of Investigation 6 feet Equipment Used: Required Functional Checks Current/Completed 50/60 Hz detector (for energized lines) X Radio Frequency Electromagnetics (RF) X Ground Penetrating Radar (GPR) Other (identify) GPR Antenna(s) Used: 1000 MHz 500 MHz 400 MHz 300 MHz Documentation Provided: NONE Limits of Investigation: 20 ft square area around staked well location. EQUIPMENT LIMITATIONS: 1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable. 2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; 500 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 5 in. of an existing structure; and the 300 MHz is within 5 in. of an existing structure; and the 300 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure.				٠	G.G. Kelty	1		
Weather: Temp 50°F Wind 5 MPH Soil Conditions: Nocky Sandy Wet Dry Depth of Investigation 6 feet Equipment Used: Required Functional Checks Current/Completed Current/Completed x Radio Frequency Electromagnetics (RF) Nother (identify) GPR Antenna(s) Used: 1000 MHz 500 MHz 400 MHz 300 MHz 300 MHz Limits of Investigation: 20 ft square area around staked well location. EQUIPMENT LIMITATIONS: 1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable. 2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; 500 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 5 in. of an existing structure. Discussion of Findings:	·				C.S. Wright	1		
Weather: Temp 50°F Wind 5 MPH Soil Conditions: Nocky Sandy Wet Dry Depth of Investigation 6 feet Equipment Used: Required Functional Checks Current/Completed Current/Completed x Radio Frequency Electromagnetics (RF) Nother (identify) GPR Antenna(s) Used: 1000 MHz 500 MHz 400 MHz 300 MHz 300 MHz Limits of Investigation: 20 ft square area around staked well location. EQUIPMENT LIMITATIONS: 1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable. 2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; 500 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 5 in. of an existing structure. Discussion of Findings:								
Weather: Temp 50°F Wind 5 MPH Soil Conditions: Nocky Sandy Wet Dry Depth of Investigation 6 feet Equipment Used: Required Functional Checks Current/Completed Current/Completed x Radio Frequency Electromagnetics (RF) Nother (identify) GPR Antenna(s) Used: 1000 MHz 500 MHz 400 MHz 300 MHz 300 MHz Limits of Investigation: 20 ft square area around staked well location. EQUIPMENT LIMITATIONS: 1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable. 2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; 500 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 5 in. of an existing structure. Discussion of Findings:								
Weather: Temp 50°F Wind 5 MPH Soil Conditions: Nocky Sandy Wet Dry Depth of Investigation 6 feet Equipment Used: Required Functional Checks Current/Completed Current/Completed x Radio Frequency Electromagnetics (RF) Nother (identify) GPR Antenna(s) Used: 1000 MHz 500 MHz 400 MHz 300 MHz 300 MHz Limits of Investigation: 20 ft square area around staked well location. EQUIPMENT LIMITATIONS: 1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable. 2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; 500 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 5 in. of an existing structure. Discussion of Findings:								
Cloudy Clear P. Cloudy Fog Depth of Investigation 6 feet	DATE OF FIELD INVESTIGA	ATION: 3/27/07						
Cloudy	Weather: Temp 50°F	Wind 5 MPH	Soil Condition	ons:	Rocky	Sandy [Wet 2	Dry
Equipment Used:			Depth of Inv	estigation	6 feet			
x Ground Penetrating Radar (GPR) Other (identify) GPR Antenna(s) Used: 1000 MHz 500 MHz 400 MHz 300 MHz Limits of Investigation: 20 ft square area around staked well location. EQUIPMENT LIMITATIONS: 1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable. 2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure. Discussion of Findings:	Equipment Used:					ks		
X Ground Penetrating Radar (GPR) X Ground Penetrating Radar (GPR) X Other (identify) GPR Antenna(s) Used:	50/60 Hz detector (for	energized lines)						
Other (identify) GPR Antenna(s) Used: 1000 MHz 500 MHz 400 MHz 300 MHz Documentation Provided: NONE Limits of Investigation: 20 ft square area around staked well location. EQUIPMENT LIMITATIONS: 1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable. 2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is with 3 ft. of an existing structure. Discussion of Findings:	x Radio Frequency Electr	romagnetics (RF)						
GPR Antenna(s) Used: 1000 MHz 500 MHz 400 MHz 300 MHz Documentation Provided: NONE Limits of Investigation: 20 ft square area around staked well location. EQUIPMENT LIMITATIONS: 1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable. 2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is with 3 ft. of an existing structure. Discussion of Findings:	x Ground Penetrating Ra	dar (GPR)		⊠				
Documentation Provided: NONE Limits of Investigation: 20 ft square area around staked well location. EQUIPMENT LIMITATIONS: 1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable. 2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure. Discussion of Findings:	Other (identify)							
Limits of Investigation: 20 ft square area around staked well location. EQUIPMENT LIMITATIONS: 1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable. 2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is with 3 ft. of an existing structure. Discussion of Findings:			500) MHz	400	MHz	300	MHz
EQUIPMENT LIMITATIONS: 1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable. 2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is with 3 ft. of an existing structure. Discussion of Findings:	Documentation Provided: NON	E						
 Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; 500 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure. Discussion of Findings:	Limits of Investigation: 20 ft sq	uare area around staked w	ell location.					
2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is with 3 ft. of an existing structure. Discussion of Findings:	EQUIPMENT LIMITATIONS					·		
500 MHz is within 1 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is with 3 ft. of an existing structure. Discussion of Findings:	1. Objects made of concrete, c	lay pipe, PVC pipe, and fi	iberglass pipe	are gener	ally not detectable) .		
	500 MHz is within 1 ft. of a	in existing structure; the 40	xisting structu 00 MHz is wi	res: the 1 thin 1 ft. o	000 MHz is withing structured an existing structure of an existing structure of the control of t	n 6 in. of a cture; and t	n existing str he 300 MHz	ucture; the is within
No evidence of well casing detected in scan area.	Discussion of Findings:							
	No evidence of well casing dete	cted in scan area.						
l Haranton - I	1							
· ·	****							





199-K-78 A5785

WELL ID	A5785	NORTHING	146781.62	FIELD ORDER NO	
WELL NAME	199-K-78	EASTING	569078.381	LAST INSPECTION	1/1/1801
HOST WELL ID		ELEVATION	141.968	CONST DATE	
GW OPERABLE UNIT	100-KR-4	DRILL DATE	1/1/1801	CONST DEPTH	
PROGRAMS					····-
WASTE SITES 50FT					
WM PLAN(S)				V	
WASTE STORAGE(S)					
	SPECTION INFORM			RRENT INSPECTION I	
WELL PAD		YES NO V NO			YES NO
BRASS SURVEY MARKER		YES NO V NE	_		☐ YES ☐ NO
MARKER STAMPED WITH		YES NO V NE		ED WITH SURVEY DATA	YES NO
MARKER STAMPED WITH		YES NO V NO		ED WITH WELL ID DATA	YES NO
WELL LABELED WITH W		YES NO V NE			YES NO
WELL LABELED WITH W		YES NO V NE		WITH WELL NAME	YES NO
PROTECTIVE POSTS	- 	YES NO V NE			YES NO
REMOVABLE POST IN PL		YES NO V NC		ST IN PLACE	☐ YES ☐ NO
WELL LOCK		YES NO V NE			YES NO
WELL DAMAGED		yes 🗌 no 🗹 nd			☐ YES ☐ NO
WELL IS DRY		YES 🗌 NO 🔽 ND			YES NO
PARTED CASING		yes 🗌 no 🛂 nd		j	YES NO
BENTONITE IN WELL		yes 🗌 no 🗹 nd		WELL	YES NO
WELL SANDED IN		yes 🗌 no 🗹 nd	WELL SANDED I	N	YES NO
COLLAPSED CASING		yes 🗌 no 🗹 nd		ING	YES NO
EQUIPMENT IN WELL		res 🗌 no 🗹 nd	EQUIPMENT IN	WELL.	YES NO
DEBRIS IN WELL		res 🗌 no 🗹 nd	DEBRIS IN WELL	-	YES NO
SURFACE EROSION		MAJOR 🗹 ND	SURFACE EROSI	ON	MAJOR
		MINOR			☐ MINOR
		NONE			NONE
LAST	PUMP INFORMATION	N		CURRENT PUMP INFO	RMATION
PUMP ACTIVITY PERFOR	MED	NSTALLED 🗹 ND	PUMP ACTIVITY	PERFORMED	☐ INSTALLED
		NSPECTED			☐ INSPECTED
		ONE			NONE
		REMOVED			REMOVED
	🔲	REPLACED			REPLACED
		REPAIRED			REPAIRED
ACTIVITY PEFORMED BY			ACTIVITY PEFOR	RMED BY	
DATE ACTIVITY PERFORI	MED		DATE ACTIVITY	PERFORMED	
PUMP IN WELL		'ES 🗌 NO 🗹 ND	PUMP IN WELL		YES NO
PUMP TESTED		'ES 🗌 NO 🗹 ND	PUMP TESTED		YES NO
NEW PUMP		'ES 🗌 NO 🗹 ND	NEW PUMP		YES NO
PUMP TYPE			PUMP TYPE		
PUMP MAKE			PUMP MAKE		
PUMP MODEL			PUMP MODEL		
PUMP INTAKE DEPTH (ft)			PUMP INTAKE DE	PTH (ft)	
LAST 1	UBING INFORMATI	ON	C	URRENT TUBING INFO	RMATION
TUBING SIZE (in)			TUBING SIZE (in))	
TUBING MATERIAL			TUBING MATERIA		
TUBING LENGTH (ft)			TUBING LENGTH		
TUBING CONNECTION			TUBING CONNEC		
LAST MEAS	SUREMENT INFORM	ATION		ENT MEASUREMENT II	NFORMATION
DEPTH TO WATER(ft)			DEPTH TO WATE		
DEPTH TO WATER DATE			DEPTH TO WATE		1 1
DEPTH TO BOTTOM(ft)			DEPTH TO BOTTO		
DEPTH TO BOTTOM DATE			DEPTH TO BOTTO		
STICK UP(ft)	-		STICK UP(ft)	o., onic	
REFERENCE MARK(ft)			REFERENCE MAR	K/A)	
REFERENCE MARK IS TOO	- - - - - - - - 	ES NO V ND	REFERENCE MAR		YES NO
THE PERSON NAMED IN THE PARTY OF THE	- ! L		THE LINE MAK	K 13 100	T TES T INU

ND* - Not Documented 8/1/2007 DAGE 1 of 2

WELL ID		A5785	NORTHING	146781.62	FIELD OR	DER NO		
WELL NAME		199-K-78	EASTING	569078.381	LAST INS	PECTION	1/1/180	1
HOST WELL I			ELEVATION	141.968	CONST D	ATE		
GW OPERABL	E UNIT	100-KR-4	DRILL DATE	1/1/1801	CONST D	EPTH		
PROGRAMS								
WASTE SITES	50FT						<u> </u>	
WM PLAN(S)								
WASTE STORA	AGE(S)							
			WELL ATTR	IBUTE COMME	ENTS			·
			CASING	INFORMATION	1			
SIZE/UNITS	TOP/B	OT/UNITS	MATERIAL	TYPE	CONNECTION	THICKNES	S/UNITS	REMOVED
<u> </u>								
CHANGES			SCREEN	INFORMATION	٧			
SIZE/UNITS	TOP/BO	OT/UNITS	MATERIAL		TYPE	SLOT SIZI	E/UNITS	REMOVED
CHANGES								
			PERFORATIO	DN INFORMAT	ION			
CASING SIZ	ZE/UNITS	5 TOI	P/BOT/UNITS		CUTS/FT/ROUND		-	REMOVED
		·					I	

ND* - Not Documented

R/1/2007

DACE 3 -63

WELL NAME		INATES		DRILL_DEPTH	PERF/	SCREEN		COMMENTS	PAGE	35
WELL TY PUMP TY		PLANT NS/EW	WELL_DTAM DATE_COMPL	DEPTH_WATER	TYPE DIAM	TOP	вот	PREVIOUS WELL NAMES		
199-K-74 AB								SEE UNI-946 REPORT FOR SULTS 116-K-1 C	RAD.	RE-
	Hanford Well L-8800 UC-				· ·			SEE UNI-946 REPORT FOR SULTS 116-K-1 D	RAD.	RE-
	namness & J. August 1993 U. S. Dept of l							SEE UNI-946 REPORT FOR SULTS 116-K-1 E	RAD.	RE-
Contract Pacific NW Lab	DE-AC06-76F	STO 1830	te					SEE UNI-946 REPORT FOR SULTS 116-KE A	RAD.	RE-
199-K-78 AB								SEE UNI-946 REPORT FOR SULTS 116-KE B	RAD.	re-
199-K-79 AB					,			SEE UNI-946 REPORT FOR SULTS 116-KE C	RAD.	RE-
199-K-80 AB								SEE UNI-946 REPORT FOR SULTS 116-KE D	RAD.	RE-
199-K-81 AB								SEE UNI-946 REPORT FOR SULTS 116-KE E	RAD.	RE-
199-K-82 AB								SEE UNI-946 REPORT FOR SULTS 116-KE F	RAD,	RE-
199-K-83 AB								SEE UNI-946 REPORT FOR SULTS 116-KE G	RAD.	RE-
199-K-84 AB								SEE UNI-946 REPORT FOR SULTS 116-KE H	RAD.	RE-
199-K-85 AB			÷					SEE UNI-946 REPORT FOR SULTS 116-KE I	RAD.	RE-

Coordinate Transformation Report

3/9/2006

Input Data

Input Local Coordinate Source:

Document

Known WCS Coordinate Source:

Target Point:	Input Easting:	Input Northing:	Known WCS Easting:	Known WCS Northing:
В	-4866.630	4866.190	0.000	0.000

Calculation Section

The Three Nearest Reference Points From Target: B

Using Reference Table: 100K

Reference Points:	Reference East/West (Local):	Reference North/South (Local):	Reference Easting (WCS):	Reference Northing (WCS):	Distance (Target Point To Reference Point) In Feet:
199-K-32B	-4723.630	5616.260	569012.400	147004.810	763.580
100-K-2	-5355.000	4132.000	569049.052	146514.684	881.782
199-K-32A	-4686.520	5604.020	569024.150	147006.680	759.495

Angles

Angle A:

Angle B:

Angle C:

Minimum Angle:

94.790

1.380

83.830

1.380

Three Point Affine Transformation Coefficients

A:

B:

C:

D:

E:

F:

2.705261e-001

-1.397694e-001 5.710752e+005 1.397050e-001

2.707885e-001

146143.906

Local Coordinates Transformed:

569078.552 146781.722

Two Point Uniform Scaling Transformation Coefficients

A:

B:

C:

F:

2.705710e-001

-1.396332e-001 5.710747e+005 146144.789

Local Coordinates Transformed:

569078.443 146781.895

Summary Report

Point Name:

Easting:

Transformed Transformed East/West Northing:

Input Value: Input North/South Value:

Transformation Model:

В

569078.443

146781.895

-4866.630

4866.190

2-pt

ge 1 of 1

Query HWIS again

VIS Interface - Survey Information - Horizontal

ELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS	QUALIFIER	
5785	199-K-78	вні		01/01/1801	CONVERTED	146781.62	569078.381	m	Р	-

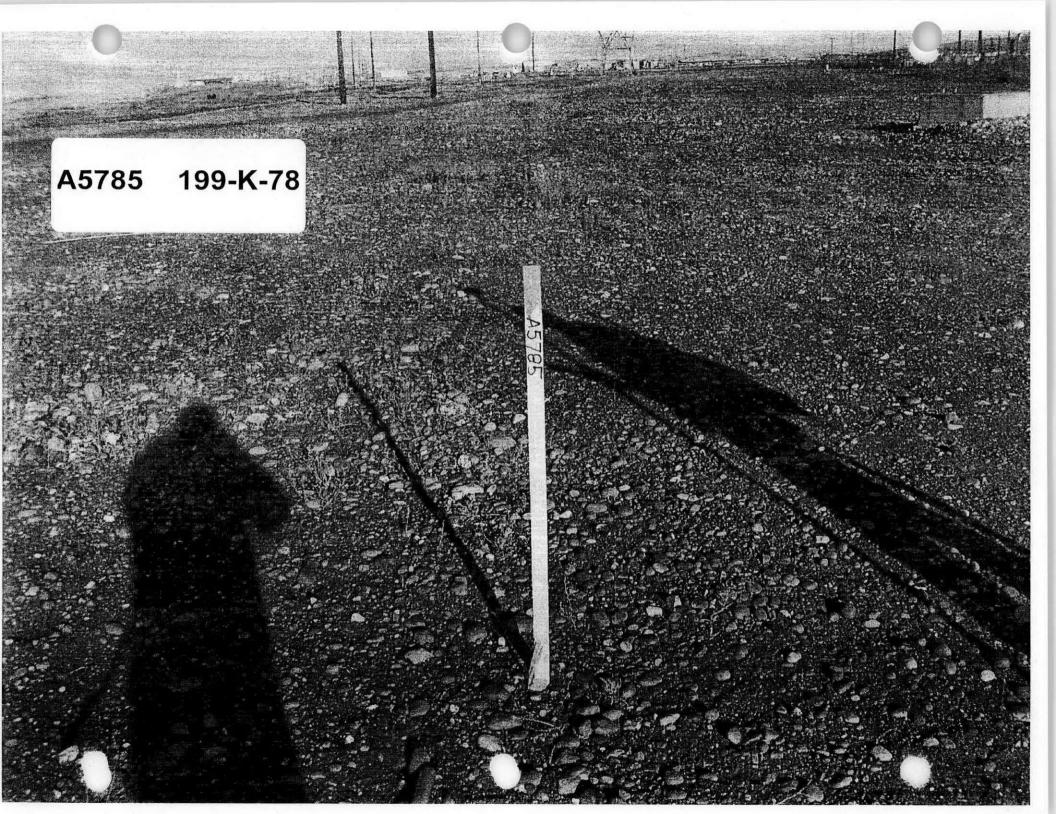
	SURVEY DATA I	REPORT				quest No. 2-135	
Project No.	Title: Well Decommissioning: A578:	5				e No. T13R26	
Jou No. 65400811.122540	Prepared By Tim Johnson	Date 3/27/2007	,	Reviewer	Her	k	Page 1 of 2
	DESCRIPTION OF WORK		DISTRI	BUTION	SDR	PLOT	DWG
Locate well A578:	5. If found, fill out WAR Report. If not	found, set hub and	Survey	File	OR		
lath. Take photo.			B. How	ard	. 1		
_	n: US State Plane 1983		C. Wrig	ht	1		
Zone: Project Datum:	Washington South 4602 NAD 1983 (Conus)		G. Kelty	у	1		•
Vertical Datum:	NAVD 1988		E. Rafu	se	1		
Geoid Model:	Geoid03						
Units:	Meters					 	

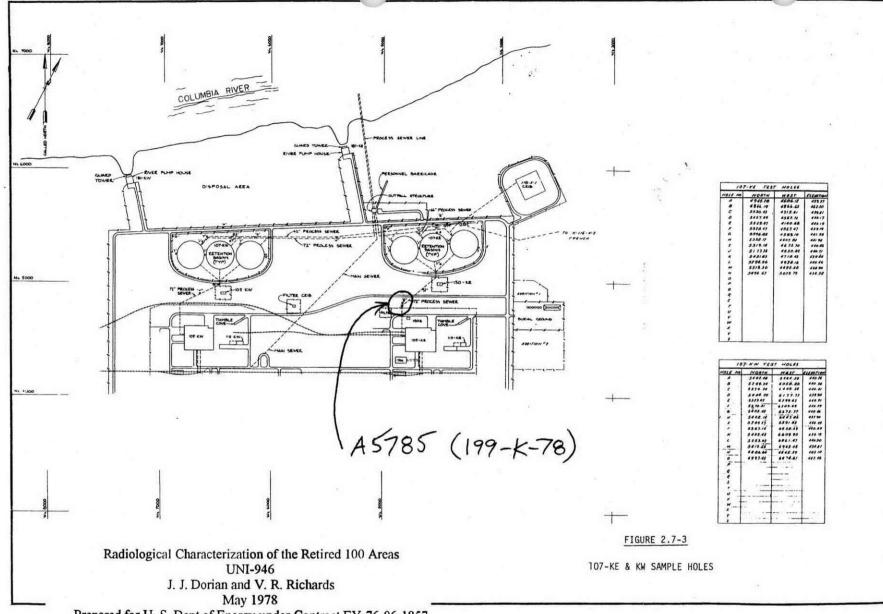
SURVEY RESULTS AND COMMENTS

Well ID# A5785 was not found at listed coordinates: N146781.6 E569078.4 Set hub and lath. Took Photo.

NOTE: This Survey was performed under the supervision of a Licensed Professional Land Surveyor registered in the State of Washington.

SCAN: Well Decommissioning / Well A5785 100K-001		SCAN DATA I	REPORT				Request No.: 072-235	
DESCRIPTION OF WORK: Perform ground scan at staked location of Well A5785 DISTRIBUTION SDR SKETCH DWG Survey File OR OR B.J. Howard 1 E.C. Rafuse 1 G.G. Keity 1 C.S. Wright 1 C.S.	Project No.:	1	issioning / We	il A5785			1	
Perform ground scan at staked location of Well A5785 Survey File					1	1.	blen-	Page l of l
Perform ground scan at staked location of Well A5785 B.J. Howard 1 C.S. Rafuse 1 C.S. Wright 1 C.S. Wri	DESCRIPTION OF WORK:				DISTRIBUTION	SDR	SKETCH	DWG
B.J. Howard 1 E.C. Rafuse 1 G.G. Kelty 1 C.S. Wright 1	Perform ground scan at staked lo	ocation of Well A5785			Survey File	OR	OR	
G.G. Kelty 1 C.S. Wright 1 C.S	Y OLIOTHI S. OMIN DOMI OF DIMENT				B.J. Howard	1		
DATE OF FIELD INVESTIGATION: 3/27/07 Weather: Temp 50°F Wind 5 MPH Cloudy Fog P. Cloudy Fog P. Cloudy Fog P. Cloudy Fog Other (identify) Equipment Used: Current/Completed Current/Completed Current/Completed Functional Checks Current/Completed Current/Completed Functional Checks C					E.C. Rafuse	1		
DATE OF FIELD INVESTIGATION: 3/27/07 Weather: Temp_50°F Wind 5 MPH Cloudy Fog Depth of Investigation 6 feet Equipment Used: Required Functional Checks Current/Completed 50/60 Hz detector (for energized lines) Radio Frequency Electromagnetics (RF) Other (identify) GPR Antenna(s) Used: 1000 MHz 500 MHz 400 MHz 300 MHz Limits of Investigation: 20 ft square area around staked well location. EQUIPMENT LIMITATIONS: 1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable. 2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; the 300 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 1 ft. of an existing structure; the 100 mHz is wit					G.G. Kelty	1		
Weather: Temp_50°F Wind 5 MPH Cloudy Clear P. Cloudy Fog Depth of Investigation 6 feet Equipment Used: 50/60 Hz detector (for energized lines) x Radio Frequency Electromagnetics (RF) x Ground Penetrating Radar (GPR) Other (identify) GPR Antenna(s) Used: 1000 MHz 500 MHz 400 MHz 300 MHz Limits of Investigation: 20 ft square area around staked well location. EQUIPMENT LIMITATIONS: 1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable. 2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure. Discussion of Findings:		·			C.S. Wright	1		
Weather: Temp_50°F Wind 5 MPH Cloudy Clear P. Cloudy Fog Depth of Investigation 6 feet Equipment Used: 50/60 Hz detector (for energized lines) x Radio Frequency Electromagnetics (RF) x Ground Penetrating Radar (GPR) Other (identify) GPR Antenna(s) Used: 1000 MHz 500 MHz 400 MHz 300 MHz Limits of Investigation: 20 ft square area around staked well location. EQUIPMENT LIMITATIONS: 1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable. 2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure. Discussion of Findings:								
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Weather: Temp_50°F Wind 5 MPH Cloudy Clear P. Cloudy Fog Depth of Investigation 6 feet Equipment Used: Solf Conditions: Required Functional Checks Current/Completed Required Functional Checks Current/Completed Tequipment Used:								
Weather: Temp_50°F Wind 5 MPH Cloudy Clear P. Cloudy Fog Depth of Investigation 6 feet Equipment Used: Solf Conditions: Required Functional Checks Current/Completed Required Functional Checks Current/Completed Tequipment Used:	DATE OF PIPE D INVESTIG	ATION: 3/27/07				<u> </u>	<u>. </u>	
Cloudy Clear P. Cloudy Fog Depth of Investigation 6 feet			Soil Condition	me: [X]	Rocky Sa	ndv [Wet 5	7 Drv
Equipment Used: 50/60 Hz detector (for energized lines) Radio Frequency Electromagnetics (RF) Other (identify) GPR Antenna(s) Used: 1000 MHz 500 MHz 400 MHz 300 MHz Documentation Provided: NONE Limits of Investigation: 20 ft square area around staked well location. EQUIPMENT LIMITATIONS: 1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable. 2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; the 3 ft. of an existing structure. Discussion of Findings:						<u>.</u>	J K	7 2.7
Equipment Used: 50/60 Hz detector (for energized lines) Radio Frequency Electromagnetics (RF) Other (identify) GPR Antenna(s) Used: 1000 MHz 500 MHz 400 MHz 300 MHz Documentation Provided: NONE Limits of Investigation: 20 ft square area around staked well location. EQUIPMENT LIMITATIONS: 1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable. 2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure. Discussion of Findings:	Cloudy \(\sqrt{Cloudy} \)	1. Cloudy Tog	<u></u>	Demire	d Functional Checks	······································		
x Radio Frequency Electromagnetics (RF) x Ground Penetrating Radar (GPR) Other (identify) GPR Antenna(s) Used: 1000 MHz 500 MHz 400 MHz 300 MHz Documentation Provided: NONE Limits of Investigation: 20 ft square area around staked well location. EQUIPMENT LIMITATIONS: 1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable. 2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure. Discussion of Findings:	Equipment Used:							
x Ground Penetrating Radar (GPR) Other (identify) GPR Antenna(s) Used: 1000 MHz 500 MHz 400 MHz 300 MHz Documentation Provided: NONE Limits of Investigation: 20 ft square area around staked well location. EQUIPMENT LIMITATIONS: 1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable. 2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure. Discussion of Findings:	50/60 Hz detector (for	energized lines)						
GPR Antenna(s) Used: 1000 MHz 500 MHz 400 MHz 300 MHz Documentation Provided: NONE Limits of Investigation: 20 ft square area around staked well location. EQUIPMENT LIMITATIONS: 1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable. 2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure. Discussion of Findings:	x Radio Frequency Elect	romagnetics (RF)						
GPR Antenna(s) Used: 1000 MHz 500 MHz 400 MHz 300 MHz Documentation Provided: NONE Limits of Investigation: 20 ft square area around staked well location. EQUIPMENT LIMITATIONS: 1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable. 2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure.	x Ground Penetrating Ra	dar (GPR)		\boxtimes				
Documentation Provided: NONE Limits of Investigation: 20 ft square area around staked well location. EQUIPMENT LIMITATIONS: 1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable. 2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure. Discussion of Findings:		·						
Limits of Investigation: 20 ft square area around staked well location. EQUIPMENT LIMITATIONS: 1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable. 2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure. Discussion of Findings:	GPR Antenna(s) Used:	[] 1000 MHz	500) MHz	400 M	Hz	⊠ 300	MHz
EQUIPMENT LIMITATIONS: 1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable. 2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure. Discussion of Findings:	Documentation Provided: NON	IE						
 Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure. Discussion of Findings:	Limits of Investigation: 20 ft sq	quare area around staked w	vell location.					
 Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure. Discussion of Findings:	EQUIPMENT LIMITATION	S:		<u> </u>				
2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure. Discussion of Findings:	-		iberglass pipe	are gener	ally not detectable.			
	2. The transducers have a hori 500 MHz is within 1 ft. of a	izontal scanning limit to exan existing structure; the 4	xisting structu	res: the l	000 MHz is within	5 in. of a re; and t	n existing st he 300 MHz	ructure; the is within
No evidence of well casing detected in scan area.	Discussion of Findings:							
	No evidence of well casing dete	ected in scan area.						
 }	سو.							





Prepared for U. S. Dept of Energy under Contract EY-76-06-1857 United Nuclear Industries, Inc.

699-17-27C C3792

WELL ID	C3792		NORTHING	128703.743	FIELD ORDER NO	-	
WELL NAME	699-17-27C		EASTING	581665.788	LAST INSPECTION	1/1/1801	
HOST WELL ID			ELEVATION		CONST DATE	1/1/1001	
GW OPERABLE UNIT	200-PO-1		DRILL DATE	1/1/1801	CONST DEPTH		
PROGRAMS						<u></u>	
WASTE SITES 50FT					* ,		
WM PLAN(S)							
WASTE STORAGE(S)							
LAST IN	SPECTION INF	ORMAT	ION	CLIB	RENT INSPECTION IN	IEODMATTON	
WELL PAD		YE			INCHI INSPECTION IN	YES N	
BRASS SURVEY MARKER	···-	YE			MARKER	YES N	
MARKER STAMPED WITH		☐ YE			D WITH SURVEY DATA	YES N	
MARKER STAMPED WITH	H WELL ID DATA	☐ YE			D WITH WELL ID DATA	YES N	-
WELL LABELED WITH W	ELL ID	YE				YES N	
WELL LABELED WITH W	ELL NAME	YE:			/ITH WELL NAME	☐ YES ☐ N	
PROTECTIVE POSTS		☐ YE	NO V ND	PROTECTIVE POS	TS .	YES N	
REMOVABLE POST IN PL	ACE	YE!	NO V ND	REMOVABLE POS	T IN PLACE	YES NO	0
WELL LOCK		YE	NO V ND	WELL LOCK		YES N	0
WELL DAMAGED		YES	ON D NO	WELL DAMAGED		YES N	5
WELL IS DRY		☐ YES	NO 🗹 ND	WELL IS DRY		YES NO	<u> </u>
PARTED CASING		YES	NO 🗹 ND	PARTED CASING		YES N	
BENTONITE IN WELL		YES	NO V ND	BENTONITE IN W	ELL	YES NO)
WELL SANDED IN		YES	DN 🗹 ND	WELL SANDED IN		YES NO)
COLLAPSED CASING		YES		COLLAPSED CASI	NG	YES NO)
EQUIPMENT IN WELL		YES		EQUIPMENT IN W	/ELL	YES NO)
DEBRIS IN WELL		YES		DEBRIS IN WELL		YES NO)
SURFACE EROSION		=	JOR 🗹 ND	SURFACE EROSIO	N	MAJOR	
		MIN				☐ MINOR	
LACT	F PUMP INFORM	NO	NE			<u> </u>	
PUMP ACTIVITY PERFOR			TALLED V ND		CURRENT PUMP INFOR		
POPIF ACTIVITY PERFOR	ויובט	=	PECTED WIND	PUMP ACTIVITY P	EKFOKMED	INSTALLED	
		☐ NO				☐ INSPECTED	J
		_	MOVED			REMOVED	
			PLACED			REPLACED	
		=	AIRED			REPAIRED	
ACTIVITY PEFORMED BY	•			ACTIVITY PEFORN	4FD BY	KLI AIKLD	
DATE ACTIVITY PERFOR				DATE ACTIVITY P	·		1 1
PUMP IN WELL		YES	□ NO 🗹 ND	PUMP IN WELL		YES NO	
PUMP TESTED		YES		PUMP TESTED		YES NO	
NEW PUMP		YES	□ NO ✓ ND	NEW PUMP		YES NO)
PUMP TYPE				PUMP TYPE			
PUMP MAKE				PUMP MAKE			
PUMP MODEL				PUMP MODEL			
PUMP INTAKE DEPTH (ft	·			PUMP INTAKE DEF	PTH (ft)		
	TUBING INFOR	MATION	l		JRRENT TUBING INFO	RMATION	
TUBING SIZE (in)				TUBING SIZE (in)			
TUBING MATERIAL				TUBING MATERIA			
TUBING LENGTH (ft)				TUBING LENGTH (·		
TUBING CONNECTION	CHREATE TO	`AB		TUBING CONNECT			
	SUREMENT INF	UKMAT	TON	· · · · · · · · · · · · · · · · · · ·	ENT MEASUREMENT IN	IFORMATION	
DEPTH TO WATER DATE				DEPTH TO WATER	```		
DEPTH TO WATER DATE				DEPTH TO WATER			<u></u>
DEPTH TO BOTTOM(ft) DEPTH TO BOTTOM DAT				DEPTH TO BOTTO			
STICK UP(ft)	<u> </u>		···· ,	DEPTH TO BOTTO	MUAIE		
REFERENCE MARK(ft)		··-		STICK UP(ft)	(A)		
TINE LINE WAR DOLL IN							
REFERENCE MARK IS TO		YES	□ NO 🗹 ND	REFERENCE MARK	····	YES NO	

ND* - Not Documented

9/1/2007

WELL ID	C37		NORTHING	128703.743	FIELD OR	DER NO		
WELL NAME		-17-27C	EASTING	581665.788	LAST INS		1/1/180	
HOST WELL ID			ELEVATION		CONST DA	ATE		
GW OPERABLE	UNIT 200	-PO-1	DRILL DATE	1/1/1801	CONST D	EPTH		
PROGRAMS			· .	-,,				
WASTE SITES	50FT							
WM PLAN(S)								
WASTE STORA	GE(S)							
			WELL ATTR	IBUTE COMME	NTS			
				INFORMATION				
SIZE/UNITS	TOP/BOT/	UNITS	MATERIAL.	TYPE	CONNECTION	THICKNES	S/UNITS	REMOVED
	<u></u>					<u> </u>		
CHANGES								
			SCREEN	INFORMATION	l			
SIZE/UNITS	TOP/BOT/	UNITS	MATERIAL		TYPE	SLOT SIZ	E/UNITS	REMOVED
CHANGES								
			PERFORATI	ON INFORMAT	ION			
CASING SIZ	ZE/UNITS	TOP/BC	DT/UNITS		CUTS/FT/ROUND	· · · · · · · · · · · · · · · · · · ·		REMOVED
CHANGES								

3 Not Decimented 9/1/3007 DACE 7

SURILY DATA REPORT - WELL DECOMM.

FIELD ORDER NO				last inspect Northing	אסז <i>בי</i> ל	8 703.74
WELL ID <u>6374</u>			LL DATE	EASTING	51	1665-19
WELL NAME	7-276		ST DATE	ELEVATION	<u> </u>	
HOST WELL ID		COM	ST DEPTH			
LASTINSPECT	ON INFORMA	TION		CURRENT INSPECTION	INFORMAT	
WELL PAD	☐ YES	. □ No	□ ND*	WELL PAD	· YE	
BRASS SURVEY MARKER	☐ YES	□ NO	- 🗆 ND*	BRASS SURVEY MARKER	│ □ YE	
MARKER STAMPED WITH SURVEY DAT	A YES	🗆 NO	□ ND*	MARKER STAMPED WITH SURVEY DATA		· -
MARKER STAMPED WITH WELL ID DA	TÀ 🔲 YES		□ NO*	MARKER STAMPED WITH WELL ID DATA		
WELL LABELED WITH WELL ID	☐ YES	NO_	□ ND*	WELL LABELED WITH WELL ID	YE	· · · · ·
WELL LABELED WITH WELL NAME	☐ YES	□.N0	□ ND*	WELL LABELED WITH WELL NAME	D VE	
PROTECTIVE POSTS	YES	□ NO	☐ ND*	PROTECTIVE POSTS	☐ YE	
REMOVABLE POST IN PLACE	☐ YES		□ ND*	REMOVABLE POST IN PLACE	☐ YE	
WELL LOCK	☐ YES	□ NO	□ ND*	WELL LOCK	U YES	
WELL DAMAGED	☐ YES	- <u> NO</u>	□ ND*	WELL DAMAGED	YES	P
WELL IS DRY	☐ YES		□ ND*	WELL IS DRY PARTED CASING		
PARTED CASING	☐ YES	□ NO	□ ND* .	BENTONITE IN WELL		
BENTONITE IN WELL	YES .	□ NO	□ ND*	WELL SANDED IN	☐ YES	<u>□. No</u>
WELL SANGED IN	☐ YES	□ NO	D ND*	COLLAPSED CASING	☐ YES	D NO
COLLAPSED CASING	☐ YES	<u> </u>	□ ND* ··	: :	_ ☐ YES	□ NO
EQUIPMENT IN WELL	☐. YES	□ NO	KD-	EQUIPMENT IN WELL DEBRIS IN WELL		
DEBRIS IN WELL,	☐ YES		□ NO*	CURRENT PUMP INFOR	L YES	L NO
LAST PUMP IN			,	PUMP ACTIVITY PERFORMED		ALLED.
PUMP ACTIVITY PERFORMED	INSTAI			FORT ACTIVITY 1 2.4 C.C.		ACED
	REPLA		」 ND*		□ REM	• 1
PUMP TESTED	☐ YES		□ ND*	PUMP TESTED	YES	D NO
NEW PUMP	☐ YES			NEW PUMP	☐ YES	ם אס
ACTIVITY PEFORMED BY	<u> </u>			ACTIVITY PEFORMED BY	•	
PATE ACTIVITY PERFORMED	· · · · ·		C	DATE ACTIVITY PERFORMED		
UMP TYPE			P	UMP TYPE		
UMP MAKE	<u> </u>		P	UMP MAKE		
UMP MODEL	 		· P	UMP MODEL		
UMP INTAKE DEPTH (R)		 :	Pi	JMP INTAKE DEPTH (ft)		
JBING SIZE (In)			- h	JBING SIZE (In)		
	· · · · · · · · · · · · · · · · · · ·	<u></u>	L.`	JBING MATERIAL		- ; ;
JBING MATERIAL		<u> </u>	į.	JBING LENGTH (FL)		
BING LENGTH (A)		· ·		<u> </u>		
3ING CONNECTION			m.	BING CONNECTION	······································	

SULVEY DATA REPORT - WELL DECOMM.

FIELD ORDER NO WELL ID WELL NAME HOST WELL ID	699.	17-276"	DRILL DATE CONST DATE CONST DEPTH		Last inspectio northing easting elevation	128703.71 58166.79
	MEASUR	EMENT INFORMATION	אכ		7_ 7_ 7	
		LAST	CURRENT		<u></u> c	
A DEPTH TO WATER(F	t)				<u></u>	
DEPTH TO WATER D	ATE					
B DEPTH TO BOTTOM	(ft)		•		· · · · · · · · · · · · · · · · ·	•
DEPTH TO BOTTOM	DATE	·				A
CSTICK UP(ft)						
D REFERENCE MARK(N)					ĺ	В
REFERENCE MARK IS	toc 🗀	YES 🗆 NO 🗀 N	P+ TYES TO NO	<u> </u>		
CASING SIZE TOP	BOTTO	TION INFORMATION		A DEPTH TO WE DEPTH TO BE C. TOP OF CAST	ATER FROM TOP OF CAU DITTOM OF WELL FROM NO TO GROUND SURFA NO TO SURVEY REFERM	o Bottom of Casing FING TOP OF CASING DEFTAD
SIZE TOP E	МОТТО	MATERIAL	TYPE	CONNECTION	THICKNESS	}
	· · · · 					
CHANGES						
·			· · · · · · · · · · · · · · · · · · ·			•
	SCREEN	information				
SIZE TOP BO	MOTTO	MATERIAL	. , न Y	PE	SLOT SIZE	
	 		+	<u> </u>		
HANGES						
	· · · · · ·					• •
<u> </u>						

Page 1 of 1
Query HWIS again

HWIS Interface - Survey Information - Horizontal

		SURVEY_CONTRACTOR			MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS	QUALIFII
C3792	699-17-27C	вні	NAD83(91)	09/24/2001	GPS	128703.743			Р

	SURVEY DATA REPORT							
Project No. N/A	Title: Survey Decommissiong Wells	03792/	699-1	1-270	Fil.	e No. 11-R27		
Job No. 65400811.122540	Prepared By Date Reviewer Tim Johnson 3/13/2007					he	Page	
:	DESCRIPTION OF WORK		DISTRIB	— <i>7 /</i> 1	SDR	PLOT	DWG	
Survey well location set hub and lath. To	n for C3792. If found, fill out WAR Reportate photo.	rt. If not found,	Survey Fi	đ	OR 1			
	US State Plane 1983 Washington South 4602		C. Wright G. Kelty		1			
Project Datum: Vertical Datum:	NAD 1983 (Conus) NAVD 1988 Geoid03		E. Rafuse		1			

SURVEY RESULTS AND COMMENTS

Well ID# C3792 was not found at listed coordinates: N128703.74 E581665.79 Set hub and lath. Took Photo.

NOTE: This Survey was performed under the supervision of a Licensed Professional Land Surveyor registered in the State of Washington.

											
Sur Sca		SURVEY	Y REQUEST		Requ		2	. .	1	 ,	1 7
Project	No.	Tale			Falc				<u> </u>	1.	<u> </u>
N/A		Survey Decom. Wells (listed b	oclow)		1 6		11	1 -	R	12	7
Job No		Requested By		Pnonc	Date		pared		Щ.		<u> </u>
l .	· · · · · · · · · · · · · · · · · · ·	Ed Rafuse		373-5491/539-3859	ASA						
Field C		Orga	nization	Paone	Loca	tion					
Ed Rañ		FII		373-5491/539-3859	MOI	113/1	137.20	30C			
	R19 Thed request and balls	ERENCE DOCUMENTS		GRID SYSTEM				RIBUT	ПОМ		
. MA. AIIA	muser textends with Mail	ncanton map		I amheri	Survey File E. Rafuse						
				Area	B Howard						
<u> </u>			- <u></u>	Geographic	J. Davis						
Adjacer	t to LIGO facility.	OCATION OF WORK		WORK CONDITIONS □ SWP	G. K	<u>elly</u>					
,				Mask	-			~			
				Operator							
				Exclusion Entry							
			SPECIAL INSTRUCTION	ONS							
ITEM	<u> </u>		DESCRIPTION OF	: WORK							
1	Survey Decom Wel	Locations: C3792, C3793, C			1. A83	65. /		L A835			ᅥ
2	B8057, 699-18-21 IN	***************************************									{
											
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Prepared	By		Date	Reviewed By						—	
JMS	•		02/08/07								- 1
	·		NOTES/COMMENTS				—				
Lend Sun	veyor/Crew			<u>:</u> -							\dashv
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Date:		Signature:									

C3792 699-17-27C

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699-17-27M C3793

699-17-27M C3793

WELL ID	C3793		NORTHING	128703.558	FIELD ORDER NO					
WELL NAME	699-17-27M		EASTING	581702.35	LAST INSPECTION	1	1/1/	180)1	
HOST WELL ID			ELEVATION	:	CONST DATE			-	-	
GW OPERABLE UNIT	200-PO-1		DRILL DATE	1/1/1801	CONST DEPTH					
PROGRAMS										
WASTE SITES 50FT										
WM PLAN(S)				,						
WASTE STORAGE(S)					· · · · · · · · · · · · · · · · · · ·					
10077	ICANOCTION TAILO									
	SPECTION INFO				URRENT INSPECTION I	NFO		ПО		
WELL PAD		YES	_=			<u> </u>	YES	Ļ	NO	•
BRASS SURVEY MARKET		YES	U NO ₩ ND			Ļ	YES		NO	
MARKER STAMPED WIT		<u></u> YES	□ NO 🗹 ND		PED WITH SURVEY DATA	<u>_</u>	YES	L	NO	
MARKER STAMPED WIT		YES	UNO ₩ NC		PED WITH WELL ID DATA		YES	<u> </u>	NO	
WELL LABELED WITH W		☐ YES	U NO ₩ ND		WITH WELL ID	<u> </u>	YES	<u> L</u>	NO	
WELL LABELED WITH W	ELL NAME	YES	U NO ₩ ND		WITH WELL NAME	_ <u>_</u>	YES	╧	NO	
PROTECTIVE POSTS		L YES	□ NO M				YES		NO	
REMOVABLE POST IN P	LACE	YES	□ NO 🗹 ND		OST IN PLACE		YES	L.	NO	·
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WELL DAMAGED		YES	U NO ₩ ND	WELL DAMAGE	D		YES		NO	
WELL IS DRY		YES	□ NO 🗹 ND	WELL IS DRY			YES		NO	
PARTED CASING		YES YES	□ NO 🗹 ND	PARTED CASIN	G		YES		NO	
BENTONITE IN WELL		☐ YES	□ NO 🗹 ND	BENTONITE IN	WELL		YES		NO	
WELL SANDED IN		YES	□ NO 🗹 ND	WELL SANDED	IN		YES		NO	
COLLAPSED CASING		YES	□ NO 🗹 ND	COLLAPSED CA	SING		YES		NO	
EQUIPMENT IN WELL		YES	☐ NO ☑ ND	EQUIPMENT IN	WELL		YES		NO	-
DEBRIS IN WELL		YES	□ NO ✓ ND	DEBRIS IN WEL	L		YEŞ		NO	
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DATE ACTIVITY PERFOR PUMP IN WELL PUMP TESTED NEW PUMP PUMP TYPE		REPAREPA	NO V ND	DATE ACTIVITY PUMP IN WELL PUMP TESTED NEW PUMP PUMP TYPE		-=	YES YES	JRE	NO NO	
DATE ACTIVITY PERFOR PUMP IN WELL PUMP TESTED NEW PUMP PUMP TYPE PUMP MAKE		REPAREPA	NO V ND	DATE ACTIVITY PUMP IN WELL PUMP TESTED NEW PUMP PUMP TYPE PUMP MAKE		-=	YES YES	JRE	NO NO	
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DATE ACTIVITY PERFOR PUMP IN WELL PUMP TESTED NEW PUMP PUMP TYPE PUMP MAKE PUMP MODEL PUMP INTAKE DEPTH (ft	MED	REPL REPA YES YES YES	NO V ND	DATE ACTIVITY PUMP IN WELL PUMP TESTED NEW PUMP PUMP TYPE PUMP MAKE PUMP MODEL PUMP INTAKE D	PERFORMED DEPTH (ft) CURRENT TUBING INFO		YES YES YES		NO NO	
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DATE ACTIVITY PERFORM PUMP IN WELL PUMP TESTED NEW PUMP PUMP TYPE PUMP MAKE PUMP MODEL PUMP INTAKE DEPTH (RE LAST TUBING SIZE (IN) TUBING MATERIAL TUBING LENGTH (RE) TUBING CONNECTION LAST MEA) TUBING INFORM	REPL REPA YES YES YES	IRED NO PND NO ND NO ND	DATE ACTIVITY PUMP IN WELL PUMP TESTED NEW PUMP PUMP TYPE PUMP MAKE PUMP MODEL PUMP INTAKE D TUBING SIZE (in TUBING MATER TUBING LENGTI TUBING CONNE CUR	PERFORMED DEPTH (ft) CURRENT TUBING INFO DIAL H (ft) CTION RENT MEASUREMENT IN ER(ft)	DRM.	YES YES YES	IRE	NO NO NO	
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DATE ACTIVITY PERFORM PUMP IN WELL PUMP TESTED NEW PUMP PUMP TYPE PUMP MAKE PUMP MODEL PUMP INTAKE DEPTH (ft LAST TUBING SIZE (in) TUBING MATERIAL TUBING LENGTH (ft) TUBING CONNECTION LAST MEA DEPTH TO WATER DATE DEPTH TO WATER DATE DEPTH TO BOTTOM(ft)	MED TUBING INFORM SUREMENT INFO	REPL REPA YES YES YES	IRED NO PND NO ND NO ND	DATE ACTIVITY PUMP IN WELL PUMP TESTED NEW PUMP PUMP TYPE PUMP MAKE PUMP MODEL PUMP INTAKE D TUBING SIZE (in TUBING MATER TUBING LENGTH TUBING CONNE CUR DEPTH TO WAT DEPTH TO BOT	PERFORMED DEPTH (ft) CURRENT TUBING INFO IN	DRM.	YES YES YES	IRE	NO NO NO	
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DATE ACTIVITY PERFOR PUMP IN WELL PUMP TESTED NEW PUMP PUMP TYPE PUMP MAKE PUMP MODEL PUMP INTAKE DEPTH (ft LAST TUBING SIZE (in) TUBING MATERIAL TUBING LENGTH (ft) TUBING CONNECTION LAST MEA DEPTH TO WATER DATE DEPTH TO BOTTOM(ft) DEPTH TO BOTTOM DAT	MED TUBING INFORM SUREMENT INFO	REPL REPA YES YES YES	NO P ND NO ND NO ND NO ND	DATE ACTIVITY PUMP IN WELL PUMP TESTED NEW PUMP PUMP TYPE PUMP MAKE PUMP MODEL PUMP INTAKE D TUBING SIZE (II TUBING LENGTI TUBING CONNE CUR DEPTH TO WAT DEPTH TO BOTT	PERFORMED DEPTH (ft) CURRENT TUBING INFO DIAL H (ft) CCTION RENT MEASUREMENT II ER(ft) ER DATE FOM (ft) FOM DATE RK(ft)	DRM.	YES YES YES	IRE D	NO N	

WELL ID	C3793		128703.558	FIELD OR	DER NO			
WELL NAME		699-17-27M	EASTING	581702.35	LAST INS	PECTION	1/1/180	L _
OST WELL IS)		ELEVATION	-	CONST DA		· · ·	
W OPERABLI	E UNIT	200-PO-1	DRILL DATE	1/1/1801	CONST DE	PTH		
PROGRAMS						-		
WASTE SITES	50FT							
WM PLAN(S)		-						
WASTE STORA	AGE(S)	* 1 L J. L.				···		
			WELL ATTR	IBUTE COMME	ENTS			
			CASING	INFORMATION				
SIZE/UNITS	TOP/B	OT/UNITS	MATERIAL	TYPE	CONNECTION	THICKNESS/	UNITS	REMOVE
			SCREEN	INFORMATIO	N			
SIZE/UNITS	TOP/B	OT/UNITS	MATERIAL		TYPE	SLOT SIZE/	UNITS	REMOVED
CHANGES								
				ON INFORMAT				
CASING SIZ	ZE/UNIT	'S TO	P/BOT/UNITS		CUTS/FT/ROUND			REMOVED

SYELDY DATA REPORT - WELL DECOMM.

	•				LAST INSPECTION	М <u>-</u>	D70	₹.56
FIELD ORDER NO	6 3793	<u> </u>	DRIL	L'DATE	NORTHING	126	10	2.36
WELL ID	699-17-	21 m	CON	T DATE	EASTING	30	70	
WELL NAME HOST WELL ID	6//		CONS	T DEPTH	ELEVATION	-		
				<u> </u>	CURRENT INSPECTION I	NFORMA	TIÓN	
LAS	et inspection	INFORMAT			WELL PAD		ES	O NO
WELL PAD		☐ YES	<u> </u>	<u>□ ND*</u>	BRASS SURVEY MARKER	□ Y	ES	O NO
BRASS SURVEY MARKER		☐ YES	□ NO	ND+	MARKER STAMPED WITH SURVEY DATA	- n v	ES .	D NO
MARKER STAMPED WITH		☐ YES	□ NO	□ ND*	MARKER STAMPED WITH WELL ID DATA		ES	ON []
MARKER STAMPED WITH	I WELL ID DATA	☐ YES	NO	D ND*	WELL LABELED WITH WELL ID	· —		O NO :
WELL LABELED WITH WI	at io	☐ YES	□ NO	□ ND*	WELL LABELED WITH WELL NAME			П ио
WELL LABELED WITH WI	ELL NAME	☐ YES		□ ND*	PROTECTIVE POSTS			□ NO
PROTECTIVE POSTS		YES	□ NO	ND*	REMOVABLE POST IN PLACE		<u></u>	□ NO-
REMOVABLÉ POST IN PL	ACE	☐ Yes	NO	□ ND*.	WELL LOCK	_=		□ NO :
WELL LOCK		YES"	<u> </u>	□ ND*	WELL DAMAGED		<u>.</u>	סא 🗓
WELL DAMAGED		☐ YES	ON	□ ND*	WELL IS DRY			D NO
WELL IS DRY		☐ YES	NO NO	U ND*	PARTED CASING	□ ·YI	2 S	□ NO
PARTED CASING		☐ YES	NO	ND*	BENTONITE IN WELL			D No
BENTONITE IN WELL		☐ YES	<u> </u>	□ ND*	WELL SANDED IN	Y	S	□ NO
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COLLAPSED CASING		☐ YES	□ NO .	□ ND*	EQUIPMENT IN WELL	Y	s	□ NO
EQUIPMENT IN WELL		YES .	<u>□ 00</u>	□ ND*	DEBRIS IN WELL	☐ YE		□ NO
DEBRIS IN WELL	1	YES	□ NO	רן אס∗	CURRENT PUMP INFO	MATION		<u>·</u>
	AST PUMP INF	INSTA			PUMP ACTIVITY PERFORMED	□ IN	STALL	户.
PUMP ACTIVITY PERFORM	SED			□ ND*		☐ RE	PLACE	D . 😭
		REPLA				☐ RE	MOVE	<u> </u>
		YES	סא 🗇	□ ND*	PUMP TESTED	☐ YE		□ NO
PUMP TESTED		YES	□ NO	□ ND*	NEW PUMP	☐ YE	5	D NO
NEW PUMP		LJ 1/E3			ACTIVITY PEFORMED BY			· · · · · ·
ACTIVITY PEFORMED BY	<u> </u>	· · · · ·			DATE ACTIVITY PERFORMED	· ·		<u>·</u>
DATE ACTIVITY PERFORM	ED				РИМР ТҮРЕ			
PUMP TYPE		 			PUMP MAKE			<u> </u>
PUMP MAKE			•	·	PUMP MODEL			
UMP MODEL			 .		PUMP INTAKE DEPTH (ft)			
UMP INTAKE DEPTH (R)		<u></u>			TUBING SIZE (In)			
UBING SIZE (In)	·		<u> </u>		TUBING MATERIAL	 ,		
UBING MATERIAL	·		·	. [`` 			
UBING LENGTH (R)		•	·		TUBING LENGTH (ft)			
UBING CONNECTION					TUBING CONNECTION			

Survey DATA REPORT - WELL DECOMM

FIELD OF WELL ID WELL NA HOST WE	ME	637 6997	13 7-27 "M"	DRILL DATE CONST.DATE CONST.DEPTH		Last inspection northing easting elevation	122703.56
		MEASUR	EMENT INFORMATIO			7 10 1	1
	: -		LAST	CURRENT		. c	
A DEPTH	TO WATER	(ft)					
DEPTH 1	TO WATER	DATE					.]
B DEPTH T							
DEPTH	TO BOTTON	DATE			_		A
CSTICKU					_		
DREFERE	NCE MARK(n) .	<u>.</u>		_		В
REFEREN	NCE MARK	IS TOC	YES D NO D NI	P D YES NO	<u>'</u> .		
		PERFOR	ATION INFORMATION	V.			
CASING S	rze To		OM CUTS/PT/ROUNI			P Bepth to Water	
CHANGES			g information		A DEPTH TO	apth to Bottom of We Depth WATER FROM TOP OF CO BOTTOM OF WELL FROM SING TO GROUND BURN SING TO GURVEY REFER	to Bottom of Cering SING TOP OF CASING LOS/PAD
		<u>·</u>	·	TYPE	CONNECTION	ON THICKNESS]
SIZE	TOP	воттом	MATERIAL	1172			
<u> </u>	.,	 			1		.
J 				•			
CHANGES	 						 *.
 							
							
•	•	SCREE	n information				٦
SIZE	TOP	BOTTOM	MATERIAL	T	YPE	SLOT SIZE	-
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		L		<u> </u>		·	
CHANGES-			· · · · · · · · · · · · · · · · · · ·				
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HWIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	£	MEASUREMENT_METHOD		SURVEY_UNITS	5
C3793	699-17-27M	} -···	NAD83(91)	09/24/2001	GPS	128703.558	{	P

:	SURVEY DATA REPORT						
Project No.	Title: Survey Decommissiong Wells	3193/64	9-17	-27M		No.	
Job No. 65400811.122540	Prepared By	Prepared By Date			Hen	ko	Page 1 of 2
DESCRIPTION OF WORK				BUTION ·	SDR	PLOT	DWG
22.4	c cargo referred 611 out WAR Repor	If not found.	Survey	File	OR		
set hub and lath.	on for C3793. If found, fill out WAR Repor		B. Hov	ward	1		
SCI DUD AND INIT.	and photo.		C. Wri	ght	1		
Coordinate System	n: US State Plane 1983		G. Kel	ty	1		
Zone:	Washington South 4602		E. Raf	use	1		
Project Datum:	NAD 1983 (Conus) NAVD 1988	• .					<u></u>
Vertical Datum: Geoid Model:	Geoid03		-			:	<u></u>

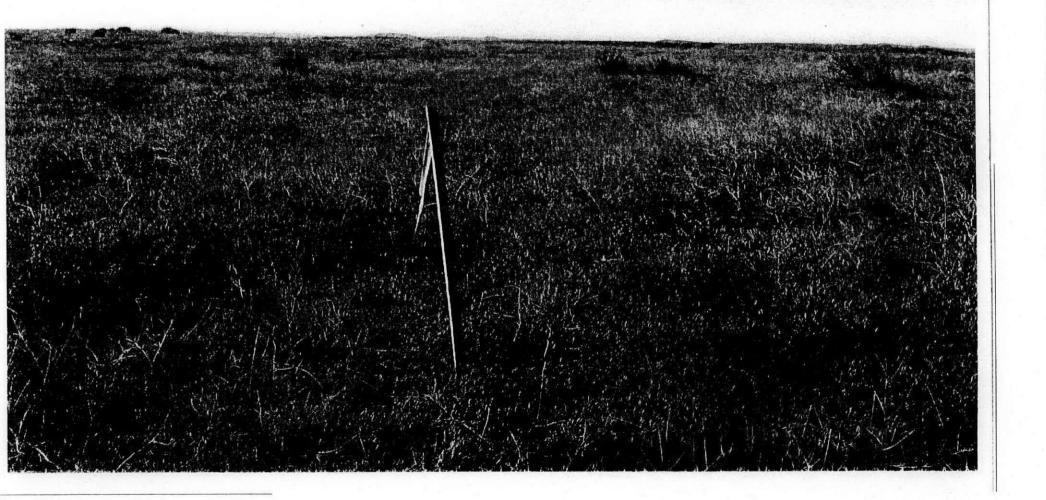
SURVEY RESULTS AND COMMENTS

Well ID# C3793 was not found at listed coordinates: N128703.56 E581702.35 Set hub and lath. Took Photo.

NOTE: This Survey was performed under the supervision of a Licensed Professional Land Surveyor registered in the State of Washington.

DECO LAMISSISNED

C3793 699-17-27M



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⊠ Sur □ Sca	vey n	SURVEY	REQUEST		Request No 0 7 2 - 0 1 7 7				
Project	No. Ti	tle			File No.	_			
N/A	Su	rvey Decom. Wells (listed bel	ow)		6 T 1 1 1 - R 2 7	1			
Job No	Ri	squested By		Pnone	Date Required	٦			
[ł Rafuse		373-5491/539-3859	ASAP				
Field Ca		Organi	zation	Paone	Location	_			
Ed Rafu	sc	Fil		373-5491/539-3859	MO413/197/200E	į			
		RENCE DOCUMENTS		ORID SYSTEM	DISTRIBUTION				
See Mia	ched request and well to	cation map			Survey File				
1				Plant Area	E. Ratuse B Howard				
	<u> </u>		1	Geographic	J. Davis	٦			
		CATION OF WORK		WORK CONDITIONS	G. Kelly	_			
Adjacen	t to LICO facility.			SWP		4			
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				Exclusion Entry		┥			
		SP	ECIAL INSTRUCTION	ONS		٦			
PP1 A A			Personal studioses and	· Modern					
TTEM I	Survey Decem Well I	ocations: C3792, C3793, C39	DESCRIPTION OF		I AUTES AUTOT AUTOT	$^{+}$			
2	B8057, 699-18-21 (see		74, 711301. 63788, 6	3187, 03787, 03770, 0379	1, MB.903, M6363, M6.174	┨			
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Land Co-			NOTES COMMINT			1			
COR VIII	veyor/Crew					$\left\{ \right.$			
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Date:		Signature:							

WELL ID	A8929		NORTHING	142258 FIELD ORDER N					
WELL NAME	699-61-24		EASTING	582510 LAST INSPECTION		I/1/1801			
HOST WELL ID			ELEVATION	119.934	19.934 CONST DATE		*		
GW OPERABLE UNIT	W OPERABLE UNIT 100-FR-3		DRILL DATE	1/1/1801 CONST DEPTH					
ROGRAMS									
WASTE SITES 50FT									
WM PLAN(S)									***
WASTE STORAGE(S)									
LAST IN	SPECTION INFO	DMATI	ON	-	URRENT INSPECTION IN		DMAT	·	<u> </u>
WELL PAD	ISPECTION IN	YES		WELL PAD	ORREIT INSPECTION II		YES		NO
BRASS SURVEY MARKER		YES		BRASS SURVE	/ MADYED	┢	YES	吕	NO
MARKER STAMPED WITH		YES			PED WITH SURVEY DATA	늗	YES	౼	NO NO
MARKER STAMPED WITH		YES			PED WITH WELL ID DATA	누	YES	屵	NO
		YES			WITH WELL ID	늗	YES	님	NO
WELL LABELED WITH WELL ID		YES			WITH WELL NAME	누	YES	片	NO
WELL LABELED WITH WELL NAME		YES		PROTECTIVE P		- =	YES	片	NO
PROTECTIVE POSTS REMOVABLE POST IN PLACE		YES	□ NO V ND	REMOVABLE P		누	YES	<u>닏</u>	NO
WELL LOCK	ACL	YES		WELL LOCK	OST IN FLACE	╬	YES	片	NO
WELL DAMAGED		YES	□ NO ✓ ND	WELL DAMAGE	.n	늗	YES	H	NO
WELL IS DRY		YES	□ NO ☑ ND	WELL IS DRY		늗	YES	H	NO
PARTED CASING		YES	□ NO ☑ ND	PARTED CASIN	ıc	늗	YES	품	NO
BENTONITE IN WELL		YES	NO NO	BENTONITE IN		╌╞═	YES	=	NO
WELL SANDED IN		YES	□ NO ☑ ND	WELL SANDED		누	YES	片	NO
COLLAPSED CASING		☐ YES	□ NO ☑ ND	COLLAPSED CA		늗	YES	봄	NO
EQUIPMENT IN WELL		YES	□ NO ✓ ND	EQUIPMENT IN		干	YES	片	NO
DEBRIS IN WELL		YES	□ NO V ND	DEBRIS IN WE		 	YES		NO
SURFACE EROSION		MAJ		SURFACE EROS		늗	MAJO	尸	-
SOR FICE EROSION		MIN		SORI ACE ERO.	,	_	MINO		
		NON					NONE		
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		☐ NON ☐ REM ☐ REPL	E OVED ACED				NONE REMC	VE	ED .
ACTIVITY PEFORMED BY		☐ NON ☐ REM ☐ REPL	e OVED	ACTIVITY PER	DRMED BY		NONE REMO	VE	ED .
ACTIVITY PEFORMED BY		☐ NON ☐ REM ☐ REPL	E OVED ACED	ACTIVITY PEFC			NONE REMC	VE	ED .
DATE ACTIVITY PERFOR		NON REM REPA	OVED ACED AIRED	DATE ACTIVIT	Y PERFORMED		NONE REMO REPLA	VE ACE IRE	ED D
DATE ACTIVITY PERFOR PUMP IN WELL		NON REM REPA	OVED ACED AIRED NO MO	DATE ACTIVIT	Y PERFORMED		NONE REMO REPLA REPA	VE	ED
DATE ACTIVITY PERFOR PUMP IN WELL PUMP TESTED		NON REPI	OVED ACED AIRED NO MND NO MND	DATE ACTIVIT PUMP IN WELL PUMP TESTED	Y PERFORMED		NONE REMC REPLA REPA YES	IRE	D / / / NO NO
DATE ACTIVITY PERFOR PUMP IN WELL		NON REM REPA	OVED ACED AIRED NO MO	DATE ACTIVIT	Y PERFORMED		NONE REMO REPLA REPA	IRE	ED
DATE ACTIVITY PERFOR PUMP IN WELL PUMP TESTED NEW PUMP		NON REPI	OVED ACED AIRED NO MND NO MND	DATE ACTIVIT PUMP IN WELL PUMP TESTED NEW PUMP	Y PERFORMED		NONE REMC REPLA REPA YES	IRE	D / / / NO NO
DATE ACTIVITY PERFOR PUMP IN WELL PUMP TESTED NEW PUMP PUMP TYPE		NON REPI	OVED ACED AIRED NO MND NO MND	DATE ACTIVIT PUMP IN WELL PUMP TESTED NEW PUMP PUMP TYPE	Y PERFORMED		NONE REMC REPLA REPA YES	IRE	D / / / NO NO
DATE ACTIVITY PERFOR PUMP IN WELL PUMP TESTED NEW PUMP PUMP TYPE PUMP MAKE	MED	NON REPI	OVED ACED AIRED NO MND NO MND	DATE ACTIVIT' PUMP IN WELL PUMP TESTED NEW PUMP PUMP TYPE PUMP MAKE	Y PERFORMED		NONE REMC REPLA REPA YES	IRE	D / / / NO NO
DATE ACTIVITY PERFOR PUMP IN WELL PUMP TESTED NEW PUMP PUMP TYPE PUMP MAKE PUMP MODEL PUMP INTAKE DEPTH (ft	MED	NON REM REPI REPI YES YES	OVED ACED AIRED NO V ND NO V ND NO V ND	DATE ACTIVIT PUMP IN WELL PUMP TESTED NEW PUMP PUMP TYPE PUMP MAKE PUMP MODEL	Y PERFORMED		NONE REMO REPLA REPA YES YES	IRE	D / / / NO NO
DATE ACTIVITY PERFOR PUMP IN WELL PUMP TESTED NEW PUMP PUMP TYPE PUMP MAKE PUMP MODEL PUMP INTAKE DEPTH (ft	MED .	NON REM REPI REPI YES YES	OVED ACED AIRED NO V ND NO V ND NO V ND	DATE ACTIVIT PUMP IN WELL PUMP TESTED NEW PUMP PUMP TYPE PUMP MAKE PUMP MODEL	Y PERFORMED DEPTH (ft) CURRENT TUBING INFO	DRM	NONE REMO REPLA REPA YES YES	IRE	D / / / NO NO
DATE ACTIVITY PERFOR PUMP IN WELL PUMP TESTED NEW PUMP PUMP TYPE PUMP MAKE PUMP MODEL PUMP INTAKE DEPTH (ft	MED .	NON REM REPI REPI YES YES	OVED ACED AIRED NO V ND NO V ND NO V ND	DATE ACTIVIT PUMP IN WELL PUMP TESTED NEW PUMP PUMP TYPE PUMP MAKE PUMP MODEL PUMP INTAKE	PERFORMED DEPTH (ft) CURRENT TUBING INFO		NONE REMO REPLA REPA YES YES	IRE	D / / / NO NO
DATE ACTIVITY PERFOR PUMP IN WELL PUMP TESTED NEW PUMP PUMP TYPE PUMP MAKE PUMP MODEL PUMP INTAKE DEPTH (ft LAST TUBING SIZE (in)	MED .	NON REM REPI REPI YES YES	OVED ACED AIRED NO V ND NO V ND NO V ND	DATE ACTIVIT PUMP IN WELL PUMP TESTED NEW PUMP PUMP TYPE PUMP MAKE PUMP MODEL PUMP INTAKE TUBING SIZE (PERFORMED DEPTH (ft) CURRENT TUBING INFO		NONE REMO REPLA REPA YES YES	IRE	D / / / NO NO
DATE ACTIVITY PERFOR PUMP IN WELL PUMP TESTED NEW PUMP PUMP TYPE PUMP MAKE PUMP MODEL PUMP INTAKE DEPTH (ft LAST TUBING SIZE (in) TUBING MATERIAL	MED .	NON REM REPI REPI YES YES	OVED ACED AIRED NO V ND NO V ND NO V ND	DATE ACTIVIT PUMP IN WELL PUMP TESTED NEW PUMP PUMP TYPE PUMP MAKE PUMP MODEL PUMP INTAKE TUBING SIZE (TUBING MATER	PERFORMED DEPTH (ft) CURRENT TUBING INFO in) RIAL H (ft)	DRM	NONE REMO REPLA REPA YES YES	IRE	D / / / NO NO
DATE ACTIVITY PERFOR PUMP IN WELL PUMP TESTED NEW PUMP PUMP TYPE PUMP MAKE PUMP MODEL PUMP INTAKE DEPTH (ft LAST TUBING SIZE (in) TUBING MATERIAL TUBING LENGTH (ft) TUBING CONNECTION	MED .	☐ NON ☐ REM ☐ REPI ☐ YES ☐ YES ☐ YES	NO NO ND	DATE ACTIVIT PUMP IN WELL PUMP TESTED NEW PUMP PUMP TYPE PUMP MAKE PUMP MODEL PUMP INTAKE TUBING SIZE (TUBING MATER TUBING CONN	PERFORMED DEPTH (ft) CURRENT TUBING INFO in) RIAL H (ft)		NONE REMO REPLA YES YES YES	N N	D / / / NO NO NO
DATE ACTIVITY PERFOR PUMP IN WELL PUMP TESTED NEW PUMP PUMP TYPE PUMP MAKE PUMP MODEL PUMP INTAKE DEPTH (ft LAST TUBING SIZE (in) TUBING MATERIAL TUBING LENGTH (ft) TUBING CONNECTION	MED) TUBING INFORM	☐ NON ☐ REM ☐ REPI ☐ YES ☐ YES ☐ YES	NO NO ND	DATE ACTIVIT PUMP IN WELL PUMP TESTED NEW PUMP PUMP TYPE PUMP MAKE PUMP MODEL PUMP INTAKE TUBING SIZE (TUBING MATER TUBING CONN	DEPTH (ft) CURRENT TUBING INFO in) RIAL TH (ft) ECTION RRENT MEASUREMENT I		NONE REMO REPLA YES YES YES	N N	D / / / NO NO NO
DATE ACTIVITY PERFOR PUMP IN WELL PUMP TESTED NEW PUMP PUMP TYPE PUMP MAKE PUMP MODEL PUMP INTAKE DEPTH (ft LAST TUBING SIZE (in) TUBING MATERIAL TUBING CONNECTION LAST MEA	MED) TUBING INFORM	☐ NON ☐ REM ☐ REPI ☐ YES ☐ YES ☐ YES	NO NO ND	DATE ACTIVIT PUMP IN WELL PUMP TESTED NEW PUMP PUMP TYPE PUMP MAKE PUMP MODEL PUMP INTAKE TUBING SIZE (TUBING MATER TUBING CONNI CUI	DEPTH (ft) CURRENT TUBING INFO in) RIAL H (ft) ECTION RRENT MEASUREMENT I		NONE REMO REPLA YES YES YES	N N	D / / / NO NO NO
DATE ACTIVITY PERFOR PUMP IN WELL PUMP TESTED NEW PUMP PUMP TYPE PUMP MAKE PUMP MODEL PUMP INTAKE DEPTH (ft LAST TUBING SIZE (in) TUBING MATERIAL TUBING LENGTH (ft) TUBING CONNECTION LAST MEA	MED) TUBING INFORM	☐ NON ☐ REM ☐ REPI ☐ YES ☐ YES ☐ YES	NO NO ND	DATE ACTIVIT PUMP IN WELL PUMP TESTED NEW PUMP PUMP TYPE PUMP MAKE PUMP MODEL PUMP INTAKE TUBING SIZE (TUBING MATER TUBING CONNI CUI DEPTH TO WAT	PERFORMED DEPTH (ft) CURRENT TUBING INFO in) RIAL H (ft) ECTION REENT MEASUREMENT I TER(ft) TER (ft)		NONE REMO REPLA YES YES YES	N N	D / / / NO NO NO
DATE ACTIVITY PERFOR PUMP IN WELL PUMP TESTED NEW PUMP PUMP TYPE PUMP MAKE PUMP MODEL PUMP INTAKE DEPTH (ft) LAST TUBING SIZE (in) TUBING MATERIAL TUBING CONNECTION LAST MEA DEPTH TO WATER (ft) DEPTH TO WATER DATE	TUBING INFORM	☐ NON ☐ REM ☐ REPI ☐ YES ☐ YES ☐ YES	NO NO ND	DATE ACTIVIT PUMP IN WELL PUMP TESTED NEW PUMP PUMP TYPE PUMP MAKE PUMP MODEL PUMP INTAKE TUBING SIZE (TUBING MATER TUBING LENGT TUBING CONN CUI DEPTH TO WA DEPTH TO WA	PERFORMED DEPTH (ft) CURRENT TUBING INFO IN) RIAL H (ft) ECTION REENT MEASUREMENT I TER(ft) TER DATE TOM(ft)		NONE REMO REPLA YES YES YES	N N	D / / / NO NO NO
DATE ACTIVITY PERFOR PUMP IN WELL PUMP TESTED NEW PUMP PUMP TYPE PUMP MAKE PUMP MODEL PUMP INTAKE DEPTH (ft) TUBING SIZE (in) TUBING MATERIAL TUBING LENGTH (ft) TUBING CONNECTION LAST MEA DEPTH TO WATER DATE DEPTH TO BOTTOM(ft)	TUBING INFORM	☐ NON ☐ REM ☐ REPI ☐ YES ☐ YES ☐ YES	NO NO ND	DATE ACTIVIT PUMP IN WELL PUMP TESTED NEW PUMP PUMP TYPE PUMP MAKE PUMP MODEL PUMP INTAKE TUBING SIZE (TUBING MATER TUBING CONNI CUR DEPTH TO WA' DEPTH TO WA' DEPTH TO BOT	PERFORMED DEPTH (ft) CURRENT TUBING INFO IN) RIAL H (ft) ECTION REENT MEASUREMENT I TER(ft) TER DATE TOM(ft)		NONE REMO REPLA YES YES YES	N N	D / / / NO NO NO
DATE ACTIVITY PERFOR PUMP IN WELL PUMP TESTED NEW PUMP PUMP TYPE PUMP MAKE PUMP MODEL PUMP INTAKE DEPTH (ft LAST TUBING SIZE (in) TUBING MATERIAL TUBING LENGTH (ft) TUBING CONNECTION LAST MEA DEPTH TO WATER DATE DEPTH TO BOTTOM(ft) DEPTH TO BOTTOM DAT	TUBING INFORM	☐ NON ☐ REM ☐ REPI ☐ YES ☐ YES ☐ YES	NO NO ND	DATE ACTIVIT PUMP IN WELL PUMP TESTED NEW PUMP PUMP TYPE PUMP MAKE PUMP MODEL PUMP INTAKE TUBING SIZE (TUBING MATER TUBING CONN CUB DEPTH TO WA DEPTH TO BOT DEPTH TO BOT	DEPTH (ft) CURRENT TUBING INFO in) RIAL H (ft) ECTION RRENT MEASUREMENT I TER(ft) TER (DATE TOM(ft) TOM DATE		NONE REMO REPLA YES YES YES	N N	D / / / NO NO NO

ND* - Not Decimented 9/1/2007 PACE 1 of 2

	,	A8929	NORTHING	142258	FIELD OR	DER NO			
WELL NAME HOST WELL ID GW OPERABLE UNIT PROGRAMS		599-61-24	EASTING	582510	LAST INS	PECTION	1/1/1801		
			ELEVATION	119.934	CONST DA	ATE			
		100-FR-3	DRILL DATE	1/1/1801	CONST DE	PTH			
WASTE SITES 5	50FT _		·						
WM PLAN(S)	-		·····						
WASTE STORAG	GE(S)				#*** · · · · · · · · · · · · · · · · · ·				
			WELL ATTR	IBUTE COMM	ENTS			• · · · · · · · · · · · · · · · · · · ·	
				INFORMATIO					
SIZE/UNITS	TOP/BO	T/UNITS	MATERIAL	TYPE	CONNECTION	THICKNES	S/UNITS	REMOVED	
						<u> </u>			
			SCREEN	INFORMATIO	N				
SIZE/UNITS	тор/во	T/UNITS	SCREEN :	INFORMATIO	N TYPE	SLOT SIZE	/UNITS	REMOVED	
SIZE/UNITS	тор/во	T/UNITS		INFORMATIO		SLOT SIZE	:/UNITS	REMOVED	
SIZE/UNITS CHANGES	тор/во	T/UNITS		INFORMATIO		SLOT SIZE	:/UNITS	REMOVED	
	ТОР/ВО	T/UNITS		INFORMATIO		SLOT SIZE	E/UNITS	REMOVED	
	TOP/BO	T/UNITS		INFORMATIO		SLOT SIZE	E/UNITS	REMOVED	
	TOP/BO	T/UNITS	MATERIAL	INFORMATIO	TYPE	SLOT SIZE	E/UNITS	REMOVED	
			MATERIAL		TYPE	SLOT SIZE	E/UNITS	REMOVED	
CHANGES			MATERIAL PERFORATION		TYPE	SLOT SIZE	E/UNITS		
CHANGES CASING SIZE			MATERIAL PERFORATION		TYPE	SLOT SIZE	E/UNITS		
CHANGES			MATERIAL PERFORATION		TYPE	SLOT SIZE	E/UNITS		
CHANGES CASING SIZE			MATERIAL PERFORATION		TYPE	SLOT SIZE	E/UNITS		

WELL NAME	COORDINATES		CASING_ELEV		PERF/SCREEN				COMMENTS	
WELL TYPE PUMP TYPE		PLANT NS/EW	WELL DIAM DATE COMPL	COMPL_DEPTH DEPTH_WATER	TYPE	DIAM	TOP	BOT	PREVIOUS WELL NAMES	
699-60-57	141870.61	50350.40	469.64	155.0	s	6.0	61.0	71.0	SCREEN 55-75 FT, 128-138 FT.	
GW S	572623.65 -		8.0 7/72	154.0 73.2	s	6.0	128.5	148.5	GBM-7	
699-60-59 AB			3.5	1560.7		r			BWIP WELL DC-18; WELL CAPPED; ABANDONED DC-18	
699-60-60		60011.00	512.03	128.0	P	8.0	100.0	127.0	CEMENT PLUG AT 110 FT.	
GW B	571588.71 -	60001.60	8.0 6/48	110.0 110.0						
Lland	ford Wells		.03	125.0	P	1.5	120.0	125.0	60 SLOT SCREEN	
PNL-88	00 UC-903		.5 /77	125.0 111.0						
M. A. Chami	ness & J. K. N	Aerz	.52	607.0 607.0	P	8.0	122.0	213.0		
Prepared for U. S	gust 1993 S. Dept of Energ	gy under	.0 /50	41.0					FOSTERCC-133	
Contract DE-	AC06-76KLU	1830	.00	81.0						
Pacific NW Lab by	Battelle Memoi	nai Institut	te .o	37.0			· · · · · · · · · · · · · · · · · · ·		FOSTER REF.7	
699-61-24			390.00						FILLED IN FARM WELL	
AB			48.0						T13NR27E15P2	
699-61-26A		61050.00	410.00	363.0					CASING REMOVED	
AB	-	26250.00	6.0 3/43						HILLMAN USED	
699-61 - 26B			410.00	51.0					FILLED IN FARM WELL	
AB			48.0	51.0					T13NR27E16R2	
699-61-37		60618.00		76.0	P S	6.0 6.0	60.0 71.0	64.0 76.0	SCREEN 71-76 FT.	
GW S	•	37043.00	6.0 7/71	76.0 63.0	a		71.0	70.0	GM-18	
699-61-41		61355.00		52.0	P	6.0	30.0	40.0	CEMENT PLUG AT 45'	
GW S	-	41118.00	6.0 7/71	45.0 33.0					GM-16	
699-61-53 AB		60693.00 53026.00		385.0					BWIP WELL DC-11; ABANDONED; BACKFILLED DC-11	

age 1 of 1
Query HWIS again

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR		SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS	QUALIFIER
A8929	699-61-24	вні	NAD83(91)	01/01/1801	ESTIMATED	142258	582510	m	Р

488 / 699-61-24 Where is the survey data report?

699-67-77 A8965

WELL ID	A8965		NORTHING	143896.6	FIELD ORDER NO		
WELL NAME	699-67-77		EASTING	566423.4	LAST INSPECTION	1/1/	1901
HOST WELL ID	033 07 17		ELEVATION	150.655	CONST DATE	1/1/	1801
GW OPERABLE UNIT	100-BC-5		DRILL DATE	1/1/1801	CONST DEPTH		
PROGRAMS	100 DC 5		DALL DATE	1/1/1601	CORSI DEPIR		
WASTE SITES 50FT			·	··········			
WM PLAN(S)			-				
WASTE STORAGE(S)					·		
LACT IN	SPECTION INFO	ADMATT	ON		UDDENT THOSE OFFICE		
WELL PAD	SPECITOR INFO	YES			URRENT INSPECTION IN		
BRASS SURVEY MARKER		YES			V MARKED	YES	□ NO
MARKER STAMPED WITH		YES	_==			YES	L NO
MARKER STAMPED WITH		YES	_=		IPED WITH SURVEY DATA	YES	L_ NO
WELL LABELED WITH W		YES	= =		IPED WITH WELL ID DATA	YES	□ NO
WELL LABELED WITH W		YES			O WITH WELL ID	YES	NO NO
PROTECTIVE POSTS	LLL IVACIL	YES			O WITH WELL NAME	YES	U NO
REMOVABLE POST IN PL	ACE	YES				YES	∐ NO
WELL LOCK	ACL	YES			OST IN PLACE	YES	∐ NO
WELL DAMAGED		YES	□ NO V NI			☐ YES	∐ NO
WELL IS DRY		☐ YES			:0	☐ YES	NO NO
PARTED CASING		YES	□ NO V NE		10	YES	∐ NO
BENTONITE IN WELL		YES	□ NO ✓ NE			YES	NO NO
WELL SANDED IN		YES	□ NO V NE			YES	∐ NO
COLLAPSED CASING		YES	NO V NE			YES	NO
EQUIPMENT IN WELL		YES	□ NO V NE			YES	□ NO
DEBRIS IN WELL		YES	□ NO ☑ NE			☐ YES	NO
SURFACE EROSION		MAJ				YES	□ NO
SOM ACE ENGLION		MIN		SURFACE EROS	SION	☐ MAJO	
	ĺ					☐ MINO	
LAST	PUMP INFORM		<u> </u>		CURRENT PUMP INFOR	NON	
PUMP ACTIVITY PERFOR			ALLED V NO	PUMP ACTIVIT			ALLED
		☐ INSP		TOTAL ACTIVITY	T TERI ORTIED	=	ECTED
		☐ NON				NONE	
		=	OVED			REMO	
		REPL				REPL	
		=	VIRED			☐ REPA	
ACTIVITY PEFORMED BY				ACTIVITY PEFC	DRMED BY		INLU
DATE ACTIVITY PERFORM	1ED			DATE ACTIVITY			
PUMP IN WELL		YES	□ NO 🗹 ND			YES	□NO
PUMP TESTED		☐ YES	□ NO ✓ ND			YES	NO
NEW PUMP		YES	□ NO ☑ ND			YES	NO
PUMP TYPE			1	PUMP TYPE			
PUMP MAKE				PUMP MAKE		_ ··	
PUMP MODEL				PUMP MODEL			
PUMP INTAKE DEPTH (ft)		*		PUMP INTAKE D	DEPTH (ft)		
LAST 1	UBING INFORM	MOITAN			CURRENT TUBING INFO	RMATIO	1
TUBING SIZE (in)		****	•	TUBING SIZE (i			
TUBING MATERIAL				TUBING MATER			
TUBING LENGTH (ft)				TUBING LENGT			
TUBING CONNECTION				TUBING CONNE			
	UREMENT INFO	PRMATI	ON		RENT MEASUREMENT IN	FORMAT	ION
DEPTH TO WATER(ft)				DEPTH TO WAT			
DEPTH TO WATER DATE				DEPTH TO WAT			
DEPTH TO BOTTOM(ft)		100		DEPTH TO BOT		·	
DEPTH TO BOTTOM DATE				DEPTH TO BOT			
STICK UP(ft)				STICK UP(ft)			
REFERENCE MARK(ft)				REFERENCE MA	RK(ft)		·
REFERENCE MARK IS TOO		VEC	T NO W ND	DESERVE MA		VEC	100

ND* - Not Documented

0/4/2007

HOST WELL ID	699-67-77	EASTING ELEVATION	566423.4	LAST INS		1/1/180	1
GW OPERABLE U	NIT 100-BC-5	ELEVATION DRILL DATE	150.655 1/1/1801	CONST D			
PROGRAMS	100-00-3	DRILL DATE	1/1/1601	CONST D	EPIN		
WASTE SITES 50	FT						
WM PLAN(S)	· · · · · · · · · · · · · · · · · · ·		5- 2 -1-2				
WASTE STORAGE	E(S)					-	
			···	- · · · · · · · · · · · · · · · · · · ·			
		WELL ATTR	IBUTE COMME	ENTS			
		CASING	INFORMATION				
SIZE/UNITS T	OP/BOT/UNITS	MATERIAL	TYPE	CONNECTION	THICKNESS	/HINTTS	REMOVED
,				COMMECTION	MILCRITEGG	701113	KEMOVED
CHANGES							
CHANGES		SCREEN 1	INFORMATION	N			
	OP/BOT/UNITS	SCREEN I		N TYPE	SLOT SIZE	/UNITS	REMOVED
	OP/BOT/UNITS				SLOT SIZE	/UNITS	REMOVED
	OP/BOT/UNITS				SLOT SIZE	/UNITS	REMOVED
SIZE/UNITS T	OP/BOT/UNITS				SLOT SIZE	/UNITS	REMOVED
SIZE/UNITS T	OP/BOT/UNITS	MATERIAL		TYPE	SLOT SIZE	/UNITS	REMOVED
SIZE/UNITS T		MATERIAL	ON INFORMAT	TYPE		/UNITS	REMOVED
SIZE/UNITS TO		MATERIAL PERFORATION	ON INFORMAT	TYPE		/UNITS	
SIZE/UNITS TO		MATERIAL PERFORATION	ON INFORMAT	TYPE		/UNITS	
SIZE/UNITS TO		MATERIAL PERFORATION	ON INFORMAT	TYPE		/UNITS	

				•					PAGE 333
WELL NAME	COORDI		CASING_ELEV			PERF/	SCREEN		COMMENTS
WELL TYPE PUMP TYPE	L 83 NS/EW		WELL_DTAM DATE_COMPL	COMPL_DEPTH DEPTH_WATER	TYPE	DIAM	TOP	вот	PREVIOUS WELL NAMES
699-66-91		65708.00	467.75	190.0					BASALT WELL
GW		-90879.00	6.0 5/73	138.0 69.0					UGB4
699-66-103		65980.00	463.01	128.0					CEMENT PLUG AT 124 FT.
GW B		-102780.00	12.0 1/44	124.0 73.9					RRY CD2W
699-66-114		65600.00	463.20	132.0					
os		-113980.00	10.0 12/52	132.0					BPA NO.3
На	nford Wel	le	59	250.0	P	8.0	100.0	250.0	CEMENT PLUG AT 170 FT; PIEZOS INST.5/77
	800 UC) 51	250.0					1131.3777
M. A. Char			29	250.0	P	8.0 1.5	100.0		60 SLOT SCREEN
A Prepared for U.	ugust 1993 S. Dept of		5 61	235.0 124.0	S	1.5	230.0	235.0	
Contract DI	E-AC06-76	RLO 1830	59	250.0	P		100.0		60 SLOT SCREEN
Pacific NW Lab by	Battelle M	femorial Institut	e 5 61	194.0 125.0	S	1.5	184.0	194.0	
699-67-77		 	490.80	100.0	·				FILLED IN
AB			72.0	100.0					REF.2, ROBINSON
699-67-86		66996.00	472.39	467.0	P	8.0	60.0	460.0	CEMENT PLUG AT 100 FT.
GW S		-85997.00	8.0 10/62	100.0 71.0					
699-67 -86 P		66996.00	472.68	467.0					REMOVED
AB		-85997.00	1.5 9/63						
699-67-86Q		66996.00	472.68						REMOVED
AB		-85997.00	1.5						
699-67-86R		66996.00	472.68	300.0					REMOVED
AB		-85997.00	1.5 9/63						
699-67-86S		66996.00	472.68	220.0					REMOVED
AB		-85997.00	1.5 9/63						

age 1 of 1
Query HWIS again

3	?	{	;	}	MEASUREMENT_METHOD		3		
***************************************	699-67 - 77	UNKNOWN	NAD83	01/01/1801	UNKNOWN	143896.6	566423.4	m	

A 8965 699-67-77

> Need Survey data report

699-71-85 A8972

WELL ID	A8972		NORTH	ING	145012.863	FIELD ORDER NO				
WELL NAME	699-71-85		EASTIN	G	564039.807	LAST INSPECTION	ı	1/1/:	801	
HOST WELL ID			ELEVAT	ION	128.172	CONST DATE				
GW OPERABLE UNIT	100-BC-5		DRILL I	DATE	1/1/1801	CONST DEPTH				
PROGRAMS	-									
WASTE SITES 50FT	-									
WM PLAN(S)									·	
WASTE STORAGE(S)				·						
LACTIO	ICRECTION THE	DD44T7				IDDENIT TAICDECTTON TA				
WELL PAD	ISPECTION INFO	YES	- <u></u>	✓ ND	WELL PAD	JRRENT INSPECTION IN	(FO	YES		
	1				***************************************	MARVER	늗		U NC	·
BRASS SURVEY MARKER		YES	ON 📋	₩ ND	BRASS SURVEY		<u> </u>	YES	<u> NC</u>	
MARKER STAMPED WIT		YES	U NO	₩ ND		PED WITH SURVEY DATA	누	YES	<u> </u>	·
MARKER STAMPED WIT		☐ YES	□ NO	✓ ND		PED WITH WELL ID DATA	<u> </u>	YES	<u></u> NC	
WELL LABELED WITH W		YES	U NO	✓ ND		WITH WELL ID	누	YES	☐ NC	
WELL LABELED WITH W	ELL NAME	YES	∐ NO	✓ ND		WITH WELL NAME	<u> </u>	YES	<u></u> NC	
PROTECTIVE POSTS		YES	U NO	✓ ND	PROTECTIVE PO		<u> </u>	YES	<u> NC</u>	
REMOVABLE POST IN PI	ACE	YES	<u> </u>	✓ ND	REMOVABLE PO	OST IN PLACE	<u> </u>	YES	<u> </u>	
WELL LOCK		YES	□ NO	☑ ND	WELL LOCK			YES		
WELL DAMAGED		YES	∐ NO	₩ ND	WELL DAMAGE)	<u> </u>	YES	<u></u> NO)
WELL IS DRY		☐ YES	☐ NO	✓ ND	WELL IS DRY			YES	☐ NO	<u> </u>
PARTED CASING		YES	□ NO	₩ ND	PARTED CASING	G		YES	☐ NO)
BENTONITE IN WELL		☐ YES	☐ NO	₩ ND	BENTONITE IN	WELL		YES	□ NO	1
WELL SANDED IN		☐ YES	☐ NO	₩ ND	WELL SANDED	IN		YES	☐ NO)
COLLAPSED CASING		☐ YES	☐ NO	₩ ND	COLLAPSED CAS	SING		YES	NO)
EQUIPMENT IN WELL		YES	☐ NO	₩ ND	EQUIPMENT IN	WELL		YES	■ NO)
DEBRIS IN WELL		☐ YES	☐ NO	₩ ND	DEBRIS IN WEL	L		YES	■ NO)
SURFACE EROSION		MAJ(OR .	☑ ND	SURFACE EROS	ION		MAJC	R	
		MIN(OR					MINC	R	
1		☐ NON	E					NONE		
LAS	T PUMP INFORM	ATION				CURRENT PUMP INFO	RM/	TION		····
PUMP ACTIVITY PERFOR	RMED	☐ INST	ALLED	₩ ND	PUMP ACTIVITY	PERFORMED		INST	LLED	
		☐ INSP	ECTED					INSPE	CTED	
		NON	E				$\overline{\Box}$	NONE		
i			OVED					REMO		
			ACED			* .	П	REPL		
			IRED				H	REPA		
ACTIVITY PEFORMED BY	,				ACTIVITY PEFO	RMFD BY		IXE! A	The state of the s	
DATE ACTIVITY PERFOR					DATE ACTIVITY					
PUMP IN WELL		YES	NO	✓ ND	PUMP IN WELL	TERIORIES	\neg	YES		
PUMP TESTED		YES		✓ ND	PUMP TESTED		풉	YES	NO	
NEW PUMP		YES		✓ ND	NEW PUMP		<u> </u>	YES	NO	
PUMP TYPE		1L3		A 14D	PUMP TYPE		لب	163	110	
PUMP MAKE					PUMP MAKE					
PUMP MODEL					PUMP MODEL					
PUMP INTAKE DEPTH (fi	-)				PUMP INTAKE D	DEPTH (ft)		<u> </u>		
	TUBING INFOR	MATTON	.			CURRENT TUBING INFO	DM	ATTO		
TUBING SIZE (in)	. JULIU LINI ON		···· •	······	TUBING SIZE (in	·		VI		
TUBING MATERIAL					TUBING MATER					
TUBING LENGTH (ft)					TUBING LENGTI					
TUBING CONNECTION	CIDEMENT THE	OBMATT	ON		TUBING CONNE		NEG	DM**	TAP!	
	SUREMENT INF	UKMAII	UN			RENT MEASUREMENT I	nru	KMAI	TON	
DEPTH TO WATER (ft)					DEPTH TO WAT					
THE TENDETTED DATE					DEPTH TO WAT	EK DAIE				
DEPTH TO WATER DATE		26				FO14/0\				
DEPTH TO BOTTOM(ft)		26			DEPTH TO BOT					
DEPTH TO BOTTOM(ft) DEPTH TO BOTTOM DAT		26			DEPTH TO BOT					
DEPTH TO BOTTOM(ft) DEPTH TO BOTTOM DAT STICK UP(ft)		26			DEPTH TO BOTTO DEPTH TO BOTTO STICK UP(ft)	TOM DATE				
DEPTH TO BOTTOM(ft) DEPTH TO BOTTOM DAT	E	26 YES		₩ ND	DEPTH TO BOT	rk(ft)		YES [/_ 	

WELL ID		A8972	NORTHING	145012.863	FIELD OR	DER NO		
WELL NAME		699-71-85	EASTING	564039.807	LAST INS	PECTION	1/1/180	1
HOST WELL ID)		ELEVATION	128.172	CONST D	ATE		
GW OPERABLE	UNIT	100-BC-5	DRILL DATE	1/1/1801	CONST DI	T DEPTH		
PROGRAMS								
WASTE SITES	50FT							
WM PLAN(S)								
WASTE STORA	GE(S)							
	***************************************		WELL ATTR	IBUTE COMME	NTS			
			CASING	INFORMATION	ı			
SIZE/UNITS	TOP/E	OT/UNITS	MATERIAL	TYPE	CONNECTION	THICKNESS	/UNITS	REMOVED
	<u> </u>							
			SCREEN	INFORMATION	1			•
SIZE/UNITS	TOP/B	OT/UNITS	MATERIAL	•	TYPE	SLOT SIZE/	UNITS	REMOVED
					 			
CHANGES								
JIMITGES					-		-	
								
	•							
		· · · · · · · · · · · · · · · · · · ·						
			PERFORATI	ON INFORMAT	ION			
CASING SIZ	E/UNIT	rs to	P/BOT/UNITS		CUTS/FT/ROUND			REMOVED
							_	
CHANGES								
					······································			

ND* - Not Documented 8/1/2007 PAGE 2 of 2

WELL NAME		COORD	INATES	CASING_ELEV			PERF/	SCREEN		COMMENTS
WELL '		L 83 NS/EW	PLANT NS/EW	WELL_DTAM DATE_COMPL	COMPL_DEPTH DEPTH_WATER	TYPE	DIAM	TOP	вот	PREVIOUS WELL NAMES
699-70-37			70243.00	386,69	15.0					WELL POINT
G: G:	W		-36740.00	2.0	15.0					
J	••			6/60	10.0					
699-70-68			70123.00	526.21	149.0	P	8.0	126.0	147.0	CEMENT PLUG AT 146 FT.
G	W		-68357.00	8.0	146.0					
	S			7/54	127.0		-			
599-71-30			71300.00	400.68	150.0	P	8.0	25.0	86.0	CEMENT PLUG AT 80 FT.
G	W		-30400.00	8.0	80.0					
	s			4/57	31.0					
		C 1337-11	1	50	24.0					FILLED IN
	Han	ford Well	IS	0	25.0					m13403780 B1
]	PNL-8	800 UC	-903	43						T13NR27E8-B1
M. A	. Cham	mess & J	I. K. Merz	04	210.0	P	8.0	120.0	160.0	
	Αı	ugust 1993		0	144.0					
- 1	C 11	C Dont of	Energy under	54	125.0					
Prepared	ior U.	5. Dept of	Energy under							
Contr	act DE	-AC06-76	RLO 1830	28	300.0	P	8.0	60.0	288.0	CEMENT PLUG AT 125 FT.
Pacific NW	Lab by	Battelle M	Aemorial Institut	te 0	125.0					
Tacino			<u> </u>	-, 62	73.0					
699-71-85			70736.00	417.04	44.0					DUG WELL FILLED IN
Α.	В		-84753.00	60.0	26.0 21.0					699-71-84, R6
699-72-73			72038.00	482.57	200.0	P	8.0	60.0	176.0	CEMENT PLUG AT 135 FT.
	W		-73222.00	8.0	135.0					
	S			9/61	86.0					
699-72-86				٠	27.0					CASING PULLED
Д	B									
				5/43						RANNEY TW#1
699-72-88			72100.00	437.37	52.0	P	8.0	33.0	48.0	FARM WELL
G	W		-87500.00	8.0	52.0					0.447
	S				38.0					G-447
699-72-92			71890.00	452.22	200.0	P	8.0	44.0	195.0	CEMENT PLUG AT 90 FT.
G	W		-91963.00	8.0	90.0					
	S			9/61	54.0					
699-72-920			71890.00	452.48	94.0					REMOVED
A	/B		-91963.00	1.5	86.0					
				5/65	53.0					

age 1 of 1
Query HWIS again

8	WELL_NAME		:	3	MEASUREMENT_METHOD	5	EASTING	SURVEY_UNITS	\$
A8972	699-71-85	UNKNOWN	NAD83		CONVERTED	145012.863		m	

699-74-74 A8977

WELL ID	A8977	NORTHING	145908.224	FIELD ORDER NO	
WELL NAME	699-74-74	EASTING	567291.991	LAST INSPECTION	1/1/1801
HOST WELL ID		ELEVATION		CONST DATE	
GW OPERABLE UNIT	100-BC-5	DRILL DATE		CONST DEPTH	
PROGRAMS					
WASTE SITES 50FT					
WM PLAN(S)					
WASTE STORAGE(S)				······································	· · · · · · · · · · · · · · · · · · ·
LACTIO	SPECTION INF	OBMATTON		HODENT INCRECTION IN	FORMATION
WELL PAD	SPECITOR INF	YES NO		URRENT INSPECTION IN	
BRASS SURVEY MARKER	<u> </u>	YES NO V		V MADVED	YES NO
MARKER STAMPED WITH				IPED WITH SURVEY DATA	YES NO
MARKER STAMPED WITH				IPED WITH WELL ID DATA	YES NO
WELL LABELED WITH W		YES NO V		WITH WELL ID	YES NO
WELL LABELED WITH W		YES NO V		WITH WELL NAME	YES NO
PROTECTIVE POSTS	ELL MAPIL		ND PROTECTIVE P		YES NO
REMOVABLE POST IN P	ACE		ND REMOVABLE P		YES NO
WELL LOCK	ACL		ND WELL LOCK	OSI IN PEACE	YES NO
WELL DAMAGED			ND WELL DAMAGE	:n	YES NO
WELL IS DRY			ND WELL IS DRY		TYES NO
PARTED CASING		YES NO		ıc	YES NO
BENTONITE IN WELL		YES NO			YES NO
WELL SANDED IN		YES NO			YES NO
COLLAPSED CASING		☐ YES ☐ NO 🗸			YES NO
EQUIPMENT IN WELL		☐ YES ☐ NO 🔽			YES NO
DEBRIS IN WELL		YES NO			YES NO
SURFACE EROSION		MAJOR	·		MAJOR
SON ACE ENOSION		MINOR	JONI ACE ENG.	JIOI V	MINOR
		NONE		ļ	NONE
LAS	T PUMP INFORM			CURRENT PUMP INFOR	
PUMP ACTIVITY PERFOR		☐ INSTALLED ✓	ND PUMP ACTIVIT	-γ	INSTALLED
		INSPECTED	, , , , , , , , , , , , , , ,		INSPECTED
		NONE			NONE
		REMOVED			REMOVED
1		REPLACED			REPLACED
		REPAIRED			REPAIRED
ACTIVITY PEFORMED BY	/		ACTIVITY PEFO	ORMED BY	
DATE ACTIVITY PERFOR	MED		DATE ACTIVITY	Y PERFORMED	
PUMP IN WELL		☐ YES ☐ NO 🗹	ND PUMP IN WELL		YES NO
PUMP TESTED		YES NO V			YES NO
NEW PUMP		☐ YES ☐ NO 🗹			YES NO
PUMP TYPE			PUMP TYPE		
PUMP MAKE			PUMP MAKE		
PUMP MODEL			PUMP MODEL		
PUMP INTAKE DEPTH (ft	:)		PUMP INTAKE	DEPTH (ft)	
LAST	TUBING INFOR	MATION		CURRENT TUBING INFO	RMATION
TUBING SIZE (in)			TUBING SIZE (in)	
TUBING MATERIAL			TUBING MATER	RIAL	
TUBING LENGTH (ft)			TUBING LENGT	ዝ (ft)	
TUBING CONNECTION			TUBING CONN	ECTION	
LAST MEA	SUREMENT INF	ORMATION	CUF	RRENT MEASUREMENT IN	IFORMATION
DEPTH TO WATER(ft)			DEPTH TO WAT	rer(ft)	
DEPTH TO WATER DATE			DEPTH TO WAT	TER DATE	
DEPTH TO BOTTOM(ft)		65	DEPTH TO BOT	TOM(ft)	
DEPTH TO BOTTOM DAT	E		DEPTH TO BOT	TOM DATE	
STICK UP(ft)			STICK UP(ft)		
REFERENCE MARK(ft)			REFERENCE MA	ARK(ft)	
REFERENCE MARK IS TO	~	VES NO VI	ND REFERENCE MA	DK IS TOC	VES NO

WELL NAME HOST WELL II GW OPERABU						ORDER NO			
	65	99-74-74	EASTING	567291.991	LAST INS		1801		
W OPERABLE	_		ELEVATION	134.56	CONST DA	ATE			
	EUNIT 10	00-BC-5	DRILL DATE	1/1/1801	CONST DE	PTH			
PROGRAMS	•				-		· · ·		
NASTE SITES	50FT								
NM PLAN(S)	_		-						
WASTE STORA	.GE(S)								
			WELL ATTRI	IBUTE COMMEN	TS				
				INFORMATION					
SIZE/UNITS	TOP/BOT	//UNITS	MATERIAL	TYPE	CONNECTION	THICKNESS/UN	ITS REMO		
			SCREEN	INFORMATION					
	TOP/BOT	/UNITS	MATERIAL	T	YPE	SLOT SIZE/UN	ITS REMOV		
SIZE/UNITS	<u> </u>								
			DEPENDANCE						
			PERFORATIO	ON INFORMATIO	ON CUTS/FT/ROUND		REMOV		
SIZE/UNITS CHANGES									

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All thehe is, is a state in the ground

WELL ATTRIBUTES REPORT

			last inspect	TION
FIELD ORDER NO	// do no	DRILL DATE	эмгнткон	145908.23
WELL ID	9 89 77	CONST DATE	EASTING	5672969
	19-74-79	CONST DEPTH	BLEVATION	
HOST WELL ID	· · · · · · · · · · · · · · · · · · ·			TAMOR MATTON
LAST	KSPECTION INFORMAT	TON	CURRENT INSPECTION	
WELL PAD	☐ YES	□ NO □ NO*	WELL PAD	YES NO
BRASS SURVEY MARKER	. D YES	□ 400 □ ND*	BRASS SURVEY MARKER	YES LYO
MARKER STAMPED WITH SL	RVEY DATA .YES	□ NQ □ N•	MARKER STAMPED WITH SURVEY DAT	
MARKER STAMPED WITH W	BLL JD DATA YES	לא 🗅 אס 🗅 אס	MARKER STAMPED WITH WELL ID DAT	
WELL LABELED WITH WELL	ID YES	□ NO □ ND*	WELL LABELED WITH WELL-ID	DYES UNO:
WELL LABELED WITH WELL	NAME YES	□ NO □ ND*	WELL LABETED WITH WELL NAME	
PROTECTIVE POSTS	. □ YES	□,No □ ND#	PROTECTIVE POSTS REMOVABLE POST IN PLACE	YES UNO
REMOVABLE POST IN PLACE	□ yes	. NO NO.		YES. DAO
WELL LOCK	☐ YES	D NO D NO	WELL LOCK	D/ES DNO
WELL DAMAGED	. Pres	□ NO □ ND*	WELL IS DRY	DIES DINO
WELL IS DRY	□ YES	NO DHO	PARTED CASING.	YES UNO
PARTED CASING	☐ YES	□ NO □ ND*	BENTONTE IN WELL	DYES DNO
BENTONITE IN WELL	. L YES.	ONO DNO	WELL SANDED IN	D VES CLNO
WELL SANDED IN	□ YES	NO D ND*	COLLAPSED CASING	□ YES □NO
COLLAPSED CASING	☐ YES	ON D ND	EGITPMENT IN MEIT	.☐. Yes ☐ NO
EQUIPMENT IN WELL	D. Yes	LI RU LU RU	DEBRIS IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	YES.		CURRENT PUMP INTO	
•	PUMP INFORMATION		PUMP ACTIVITY PERFORMED	INSTALLED
PUMP ACTIVITY PERFORMED	☐ INSTAI		FOR AUTOM	□ REPLACED
	REPLA	, , ,		REMOVED
	REMOV		PUMP TESTED	D YES D NO
PUMP TESTED	. D Ass		NEW PUMP	☐ YES ☐ NO
NEW PUMP	YES	OND OND.	CTIVITY PEFORMED BY	DE Gostave L
ACTIVITY PEFORMED BY		. 1	DATE ACTIVITY PERFORMED	7/18/07
DATE ACTIVITY PERFORMED		· ,	UMP TYPE	(
PUMP TYPE			UMP MAKE	
PUMP MAKE			UMP MODEL	
UMP MODEL	<u> </u>	·	UMP INTAKE DEPTH (R)	
UMP INTAKE DEPTH (R)		. [.	UBING SIZE (In)	
UBING SIZE (In)				
UBING MATERIAL		· · · · · · · · · · · · · · · · · · ·	JBING MATERIAL	· · · · · · · · · · · · · · · · · · ·
BING LENGTH (R)			JBING LENGTH (R)	
BING CONNECTION		ת	JBING CONNECTION :	

MI-FE-231 (82/20/02)

FIELD ORDER WELL ID WELL NAME HOST WELL II	<u> </u>	7 89 7 7	DRELL DATE CONST DATE CONST DEPTH		Last inspection Horthing Easting Elevation	14590 22 99 51 71 9L 99	
	• !	SUREMENT INFORMAT	ZON		7 7 7	-	
		LAST	CURRENT		c		
A DEPTH TO W	ATER(ft)		NA				
DEPTH TO W			n James	╻┈ ┞╌╌┤╎╎┝╸	-		
B DEPTH TO BO			7///			• .	
DEPTH TO BO			2/2/02	,	A		
CSTICK UP(ft)			1/17/				
DREFERENCE M	(ARK(ft)						
REFERENCE M		□ vais □ No □	ND+ TES THE				
- reserve							
•	PERI	ORATION INFORMATI	ON	. [_]] [
CASING SIZE	TOP B	OTTOM CUTS/FT/ROU	פא .		Bepth to Water		
 +							
CHANGES	.'	· · · ·			er a		
				Der	th to Bottom of Well	lettom of Chaing	
				A DEPTH TO W	ATER PROM TOP OF PARTH	i a	
				I I DESTRUCTOR	TTOM OF WHIL FROM TO!	OF SAUME	
	C.A.	SING INFORMATION		D TOP OF GALET	NO TO SUNVEY JUPERUNG	HARKER	
			TYPE	CONNECTION	THICKNESS		
SIZE TO	P BOTTO		7,7,7				
CHANGES A	11 +6	istic	State west	+ their	all Hopes	at FD	
J. 201. 350	SCR	reen information					
SIZE TOP	BOTTON	MATERIAL	- 7 Y	PE	SLOT SIZE		
- atte 10F				<u>.</u>		•	
•					•		
HANGES						•	
				•			
			120				
·				6	-74-74 st	cke	
	,	1 }	ر الأراح الأراح الأراح الأراح الأراح الأراح الأراح الأراح الأراح الأراح الأراح الأراح الأراح الأراح الأراح ال				
•	4		The The	•			
D* - Not Downanted	<u>, </u>	.	. 1			. 1/24/2003	
24 - Not Dockmented	Λ	a de la companya della companya della companya de la companya della A	-	· .	•		
	7	7 7-3	150		·		

	Œ	COORD:	3 PLANT 1	CASING ELEV WELL_DTAM DATE_COMPL	DRILL DEPTH COMPL_DEPTH DEPTH_WATER	PERF/SCREEN				COMMENTS	PAGE 356
	L TYPE P TYPE	L 83 NS/EW				TYPE	DIAM	TOP	BOT	PREVIOUS WELL NAMES	
699-72-92	P AB		71890.00 -91963.00	452.48 1.5 8/63	185.0 183.0 54.0	P	1.5	165.0	185.0	REMOVED	
699-72-92	Q AB		71890.00 -91963.00	452.48 1.5	136.0 54.0	P	1.5	117.0	137.0	REMOVED	
699-72-98	;		72100.00	454.19	69.0					DUG WELL	
•	GW B		-98300.00	42.0	56.0 57.0					REF.2 NO.53	
699-73-25	AB			24.0						FILLED IN FARM WELL	
699-73-61	GW/ S		73195.00 -60527.00	531.53 8.0 9/62	150.0 150.0 135.0	P S	8.0 6.0	107.0 95.0		699-74-60	
699-74-23	_		74490.00 -23330.00	376.48 6.0	50.0 50.0					FILLED IN WITH SILT	
699-74-43	AB		73800.00 -42600.00	5/43 422.87 48.0	25.0 25.0					HR-10 FILLED IN	
	AD		12000.00							S1615	•
699-74-44	GW S		74200.00 -44200.00	445.18 8.0 5/57	150.0 67.0 49.0	P	8.0	17.0	67.0	CEMENT PLUG AT 67 FT.	
Hanford Wells PNL-8800 UC-903		18) 52	150.0 100.0 90.0	P	8.0	80.0	147.0				
M. A. Chamness & J. K. Merz August 1993 Prepared for U. S. Dept of Energy under		14 5 55	100.0 100.0 88.0	P	1.5	80.0	100.0	REMOVED			
Contract DE-AC06-76RLO 1830 Pacific NW Lab by Battelle Memorial Institute			14 te ;	130.0 128.0 88.0	P	1.5	110.0	130.0	REMOVED		
699-74-74			73650.00	438.00	65.0			· · · · · · · · · · · · · · · · · · ·		FILLED IN	
	AB		-74075.00	4.0	65.0					ALLARD, REF.2	

					MEASUREMENT_METHOD		EASTING	SURVEY_UNITS	QUALIFII
A8977	699-74-74	UNKNOWN	NAD83	01/01/1801	CONVERTED	145908.224	567291.991	m	



7-12-12-63/2268 H

A 8977 699-74-74

